

**SITE ASSESSMENT REPORT
FOR
NUTRONICS, INC., SITE
SPRINGFIELD, SANGAMON COUNTY, ILLINOIS**

Prepared for:

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Emergency Response Branch
Region V
77 West Jackson Boulevard
Chicago, IL 60604-3507

Prepared by:

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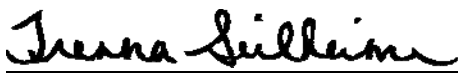
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January 25, 2011

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 Date: 1/25/11
For Jay Rauh
WESTON START Member

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 Date: 1/25/11
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LIST OF ABBREVIATIONS AND ACRONYMS

°F	Degree Fahrenheit
ATSDR	Agency for Toxic Substances and Disease Registry
CFR	<i>Code of Federal Regulations</i>
CO	Carbon monoxide
ft ²	Square foot
H ₂ S	Hydrogen sulfide
HASP	Health and safety plan
HDPE	High-density polyethylene
IEPA	Illinois Environmental Protection Agency
LEL	Lower explosive limit
mg/kg	Milligram per kilogram
mg/L	Milligram per liter
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
O ₂	Oxygen
OSC	On-Scene Coordinator
PID	Photoionization detector
PPE	Personal protective equipment
ppm	Part per million
RCRA	Resource Conservation Recovery Act
RSL	Regional Screening Level
START	Superfund Technical Assessment and Response Team
S.U.	Standard unit
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TDD	Technical Direction Document
U.S. EPA	U.S. Environmental Protection Agency
VOC	Volatile organic compound
WESTON	Weston Solutions, Inc.

1. INTRODUCTION

The U.S. Environmental Protection Agency (U.S. EPA) tasked the Weston Solutions, Inc. (WESTON®), Superfund Technical Assessment and Response Team (START) to assist U.S. EPA On-Scene Coordinator (OSC) Fred Micke in performing a site assessment at the Nutronics, Inc., site in Springfield, Sangamon County, Illinois (the Site; **Figure 1-1**). Under Technical Direction Document (TDD) No. S05-0001-1009-003, U.S. EPA requested that WESTON START document current Site conditions; collect waste samples; obtain photographic documentation; and evaluate the potential for imminent and substantial threats to human health, human welfare, and the environment posed by Site-related conditions. On November 3, 2010, WESTON START members Rick Mehl, Jon Colomb, Mike Mejac, and Jay Rauh conducted a site assessment under the direction of OSC Micke. Illinois Environmental Protection Agency (IEPA) representative Dave Jansen also was present at the Site during the site assessment.

This site assessment report is organized into the following sections:

- **Introduction** – Provides a brief description of the objective and scope of site assessment activities;
- **Site Background** – Details the Site description and its known history;
- **Site Assessment Activities** – Discusses observations during the site assessment and sampling methods and procedures used during the site assessment;
- **Analytical Results** – Discusses the analytical results for samples collected during the site assessment;
- **Threats to Human Health and the Environment** – Identifies Site-related conditions that may warrant a removal action under the National Oil and Hazardous Substances Pollution Contingency Plan (NCP); and
- **Conclusions and Recommendations** – Summarizes the site assessment findings and recommendations for further activities at the Site as needed.

2. SITE BACKGROUND

This section discusses the site description and history.

2.1 SITE DESCRIPTION

The Site is located at 1703 Peoria Road in Springfield, Sangamon County, Illinois (**Figure 1-1**). The Site is bordered by residential properties to the north, North Peoria Road (Business Route 55) and residential properties to the east, East Ridgley Avenue to the south, and North 9th Street and residential properties to the west (**Figure 2-1**). The coordinates of the Site are 39.823855° North latitude and -89.642779° West longitude. The Site is located in a mixed residential and commercial area.

The Site contains a parking area and an abandoned, two-story brick building with a first floor, a second floor, and a basement. **Figures 2-2a, 2-2b, and 2-2c**, respectively, show the layout of the first floor, second floor, and basement.

2.2 SITE HISTORY

On March 17, 2010, IEPA conducted a Resource Conservation and Recovery Act (RCRA) inspection at the abandoned Site. IEPA's observations during the inspection are summarized below.

- The Site contains an abandoned brick building that occupies approximately 8,000 square feet (ft²). The building is a former printed circuit board manufacturing facility in a state of disrepair. Portions of the roof are missing, and the ceiling tiles inside the building are falling down. Containers are carelessly stored throughout the building.
- The building contains the following rooms and areas: Plating Room, Etching Machine Area, and Pre-Treatment Facility/Chemical Storage Room. Observations in each area are summarized below.
 - Plating Room: The plating room contains three vats of heavy plastic. Vat 1 is divided into five compartments. During the RCRA inspection, Compartments 1, 3, and 5 contained a blue-green liquid and Compartment 4 contained a blue liquid. Vat 2 is divided into six compartments. During the inspection, Compartments 1, 4, and 5 contained a green liquid; Compartments 2 and 3 were empty; and Compartment 6 contained a light-brown liquid. Vat 3 had only one compartment containing a clear

- liquid. IEPA collected samples from Vat 1 (each compartment), Vat 2 (compartments 1, 4, and 5), and Vat 3.
- Etching Machine Area: The etching machine area contains a machine and several plastic tubs lying on the floor. During the RCRA inspection, the tubs were covered with blue-green, crusty residue. IEPA collected one sample of the crusty residue.
 - Pre-Treatment Facility/Chemical Storage Room: This room contains one vat (Vat 4) and over 40 containers of various sizes and construction (such as drums, bottles, bags, etc.). Vat 4 is constructed of heavy plastic and has one compartment. During the RCRA inspection, the vat contained blue-green, white, and brown crusty residues. IEPA collected one sample from Vat 4 and four samples from the miscellaneous containers.
 - IEPA collected a total of 15 samples during the inspection. Sample results exceeded the hazardous waste criteria for the following Toxicity Characteristic Leaching Procedure (TCLP) metals: cadmium at up to 3.28 parts per million (ppm); lead at up to 1,550 ppm; chromium at up to 27.5 ppm; and selenium at up to 2.21 ppm. The samples also exhibited the hazardous waste characteristics of (1) corrosivity, with pH levels ranging from 0 to 0.6 standard unit (S.U.) and (2) ignitability, with ignitability values as low as 71 degrees Fahrenheit (°F).

Based on the results of the inspection, IEPA referred the Site to the U.S. EPA for consideration of a time-critical removal action in a letter dated June 4, 2010.

3. SITE ASSESSMENT ACTIVITIES

On November 3, 2010, U.S. EPA OSC Fred Micke; IEPA representative Dave Jansen; and WESTON START met with the property owner at the Site to conduct the site assessment.

The project objectives for this site assessment included the following:

- Identify the constituents and characteristic properties of materials in drums, vats, small containers, other miscellaneous containers, and building surfaces at the Site;
- Determine if a removal action is warranted at the Site based on NCP criteria, and if so, whether the response should be classified as emergency, time-critical, or non-time-critical;
- Rapidly assess and evaluate the urgency, magnitude, extent, and effects of a release or threatened release of hazardous substances, pollutants, or contaminants identified at the Site and their effects on human health and the environment;
- Supply the Agency for Toxic Substances and Disease Registry (ATSDR) or others with information about the nature and magnitude of any health threats associated with the Site;
- Support subsequent public health advisories; and
- Determine a remedy to eliminate, reduce, or control Site-related risks to human health and the environment and to support an Action Memorandum documenting the identified removal approach.

The site reconnaissance and sampling activities are discussed below.

3.1 SITE RECONNAISSANCE

U.S. EPA, WESTON START, and IEPA conducted a site walk-through after an initial health and safety briefing. The site walk-through was performed in Level D personal protective equipment (PPE) in accordance with the approved site-specific health and safety plan (HASP). Air monitoring was conducted in the breathing zone throughout the site reconnaissance using a MultiRAE five-gas meter and MicroR gamma radiation detector. The MultiRAE five-gas monitor includes a photoionization detector (PID) that measures organic vapors, a carbon monoxide (CO) sensor, a hydrogen sulfide (H₂S) sensor, a lower explosive limit (LEL) meter, and an oxygen (O₂) meter. No readings above background levels were recorded during the reconnaissance.

The photographic log in **Appendix A** depicts Site conditions at the time of the site assessment. Observations made during the site reconnaissance are summarized below.

The two-story brick building appeared to be in fair condition. The east exterior brick wall was in poor condition, with signs of buckling. The building roof leaked, and evidence of condensation, liquid residues, and a large number of water-damaged ceiling tiles were observed inside the building. A window well that could collect rain water and leak into the building was observed on the south side of the building near the basement access door. The building had no electric or water service. The doors were locked except for a horizontal basement access door on the sidewalk south of the building. Some entrances to the building were in disrepair. No evidence of trespassing was observed. Access to the building appears restricted; however, Site operations have ceased and there is no security, making the Site vulnerable to trespassing and vandalism. Storm sewers were observed southwest and east of the building.

The first floor was divided into a scrap room, a machine shop, an office, a chemical storage room, and a vat room (**Figure 2-2a**). The scrap room contained shelves with scraps of copper- and gold-plated, plaster-like planks. The machine shop contained tooling machines, metal-working machines, a large camera, a dark room, and a plating or treatment area with blue solid residue and blue spills around it. The office contained a bag of degraded ceiling tiles, old files, and a desk. The chemical storage room contained a suspected water treatment system (vat, tanks, and tubing) and several drums and small containers (several marked as hazardous for flammability or corrosivity). The vat room contained three large vats. Two of the vats were divided into smaller compartments, and some compartments contained blue-green liquid. The third vat was not divided and contained blue-green liquid. The field pH of the blue-green liquid inside Vat 3 was 0 to 1 S.U. Based on visual observations and container labels, WESTON START identified sampling locations on the first floor.

WESTON START conducted an inventory of the drums, vats, and other small containers in the chemical storage room and vat room. WESTON START observed and documented over 100 small containers, drums, and vats and several spill areas with residue. Many of the spill areas had blue or green crystalline staining. Most containers in the chemical storage room had been opened, and most had printed labels. **Table 3-1** provides an inventory of the containers and potentially hazardous

materials observed during the site reconnaissance. The inventory included documenting the approximate size, volume, labels, and contents of each container in the room.

The second story contained a record room of old files and a bottle of pesticide (**Figure 2-2b**).

The basement contained a boiler with suspected asbestos insulation on the piping and an overturned vat and a “shop-vac” near a debris pile of gray dust (**Figure 2-2c**). Evidence of past spills and blue residue were observed on the floor. An open floor drain was located near the spill. An unsecured horizontal door led from the basement to the sidewalk south of the building. Water apparently flows through the door into the basement and into the floor drains in the basement. Based on visual observation, WESTON START identified sampling locations in the basement.

3.2 SAMPLING ACTIVITIES

Sampling locations were selected based on the site reconnaissance and chosen to be representative of areas posing potential risk to human health and the environment based on the presence of potentially corrosive or flammable chemicals. The sampling activities were conducted in Level B PPE in accordance with the approved site-specific HASP. Two WESTON START members entered the work zone to conduct sampling activities, while two backup personnel remained outside the work zone. Air monitoring was conducted in the breathing zone throughout the sampling activities using a MultiRAE five-gas meter. The MultiRAE five-gas monitor includes a PID that measures organic vapors, a CO sensor, a H₂S sensor, an LEL meter, and an O₂ meter. No readings above background levels were recorded during the reconnaissance.

Table 3-2 summarizes the samples collected from the Site, including the sample identification numbers, matrices, sampling locations, and analyses. **Figures 3-1a and 3-1b** show the sampling locations on the first floor and basement of the Site building, respectively. WESTON START collected 13 investigative solid waste samples (plus 2 field duplicate samples) and 1 investigative liquid waste sample. The samples and sampling locations are described below.

- Sample NSA-MC1-110310 was collected from a 5-gallon container in the chemical storage room labeled “Aqua Flow” that indicated a headspace reading to 230 ppm for volatile organic compounds (VOC) on the MultiRAE five-gas meter.

- Sample NSA-MC2-110310 was collected from a white 5-gallon bucket in the chemical storage room with a handwritten “HCL” label.
- Samples NSA-DM1-110310 and NSA-DM1-110310D were collected from a black, unlabeled, 55-gallon drum in the chemical storage room.
- Sample NSA-DM2-110310 was collected from a blue 35-gallon drum in the chemical storage room with a handwritten “Sulfuric” label.
- Sample NSA-VT1-110310 was collected from blue crystalline residue in a vat in the chemical storage room.
- Sample NSA-VT2-110310 was collected from the blue-green liquid in a vat in the vat room.
- Sample NSA-VT3-110310 was collected from blue-green liquid in a sink that appeared to have thermoelectric plating equipment connected to it in the machine shop.
- Sample NSA-DB1-110310 was collected from blue and gray suspected spill residue in the southwest corner of the vat room.
- Sample NSA-DB2-110310 was collected from blue suspected spill residue in the north part of the vat room.
- Samples NSA-DB3-110310 and NSA-DB3-110310D were collected from blue crystalline residue in a plastic container atop a piece of machinery in the machine shop that appeared to have the same blue material spilled around it.
- Sample NSA-DB4-110310 was collected from blue suspected spill material in the basement.
- Sample NSA-DB5-110310 was collected from gray powder in the basement.
- Sample NSA-DB6-110310 was collected from degraded ceiling tiles in the office room.
- Sample NSA-DB7-110310 was collected from scrap copper-plated planks in the scrap room.

Fresh sampling gloves were donned before sampling activities began at each new sampling location.

All liquid and solid samples were collected as grab samples. The liquid sample was collected using a high-density polyethylene (HDPE) drum thief or bailer. Solid samples were collected using disposable plastic scoops. All sample containers were filled directly from the drum thief, bailer, or plastic scoops and labeled with the sample identification number, sampling date, and sampling time. All sampling information was recorded in the Site logbook, and all samples were recorded on the

chain-of-custody form. All samples were labeled and immediately placed on ice after collection. The samples were submitted to STAT Analysis Corporation in Chicago, Illinois, under chain of custody for analysis for asbestos, ignitability (flashpoint), cyanide, corrosivity (pH), TCLP metals, Target Analyte List (TAL) metals, and Target Compound List (TCL) VOCs.

4. ANALYTICAL RESULTS

WESTON START collected a total of 14 samples from the first floor and basement of the Site building, including 13 investigative solid waste samples (plus 2 field duplicate samples) and 1 investigative liquid waste sample. The samples were collected to determine if the Site poses imminent and substantial threats to human health, human welfare, and the environment from the presence of potentially hazardous materials. **Figures 3-1a and 3-1b** show the sampling locations on the first floor and basement of the Site building, respectively. **Tables 4-1 and 4-2** summarize the results for the solid and liquid samples, respectively. **Appendix B** provides the laboratory analytical report and the data validation report for the samples.

Ignitability, corrosivity, and TCLP metals analytical results were compared to the hazardous waste criteria outlined in Title 40 of the *Code of Federal Regulations* (CFR), Part 261, Subpart C. Analytical results for asbestos, cyanide, TAL metals, and TCL VOCs were compared to the U.S. EPA Regional Screening Levels (RSL) - Industrial.

Laboratory analytical results exceeding the screening criteria for the 13 solid waste samples collected are summarized below. It should be noted that the laboratory analytical results for vat sample NSA-VT1-110310 and debris sample NSA-DB6-110310 were all either non-detect or below the applicable screening criteria.

- Miscellaneous container sample NSA-MC1-110310 had an ignitability value of 95 °F and a pH value of 2 S.U. These results meet the 40 CFR screening criteria and are defined as hazardous waste.
- Miscellaneous container sample NSA-MC2-110310 had a pH value of 2 S.U. This result meets the 40 CFR screening criteria and is defined as hazardous waste.
- Drum sample NSA-DM1-110310 had a pH value of 2 S.U. and a TCLP lead value of 21,000 milligram per liter (mg/L). These results meet the 40 CFR screening criteria and are defined as hazardous waste. Drum sample NSA-DM1-110310 also had a TAL lead value of 34,000 milligrams per kilogram (mg/kg). This result exceeds the U.S. EPA RSL for lead of 800 mg/kg.
- Duplicate drum sample NSA-DM1-110310D had a pH value 2 S.U. and a TCLP lead value of 14,000 mg/L. These results meet the 40 CFR screening criteria and are defined as hazardous waste. Duplicate drum sample NSA-DM1-110310D also had a TAL lead value of 35,000 mg/kg. This result exceeds the U.S. EPA RSL for lead.

- Drum sample NSA-DM2-110310 had a pH value of 2 S.U. This result meets the 40 CFR screening criteria and is defined as hazardous waste.
- Vat sample NSA-VT3-110310 had a TAL nickel value of 50,000 mg/kg. This result exceeds the U.S. EPA RSL for nickel of 20,000 mg/kg.
- Debris sample NSA-DB1-110310 had a TAL lead value of 1,300 mg/kg. This result exceeds the U.S. EPA RSL for lead.
- Debris sample NSA-DB2-110310 had a TAL copper value of 45,000 mg/kg and a TAL lead value of 1,400 mg/kg. These results exceed the U.S. EPA RSLs for copper and lead.
- Debris sample NSA-DB3-110310 had a TAL copper value of 160,000 mg/kg. This result exceeds the U.S. EPA RSL for copper.
- Duplicate debris sample NSA-DB3-110310D had a TAL copper value of 190,000 mg/kg. This result exceeds the U.S. EPA RSL for copper.
- Debris sample NSA-DB4-110310 had a TAL lead value of 9,500 mg/kg. This result exceeds the U.S. EPA RSL for lead.
- Debris sample NSA-DB5-110310 had a TCLP lead value of 9.4 mg/L. This result exceeds the 40 CFR screening criterion of 5.0 mg/L. Debris sample NSA-DB5-110310 also had a TAL arsenic value of 34 mg/kg. This result exceeds the U.S. EPA RSL for arsenic.
- Debris sample NSA-DB7-110310 had a TAL arsenic value of 17 mg/kg and a TAL copper value of 110,000 mg/kg. These results exceed the U.S. EPA RSLs for arsenic and copper.

Laboratory analytical results exceeding the screening criteria for the single liquid waste sample are summarized below.

- Vat sample NSA-VT2-110310 had a pH value of 2 S.U. This result meets the 40 CFR screening criteria and is defined as hazardous waste.

5. THREATS TO HUMAN HEALTH AND THE ENVIRONMENT

Factors to be considered in determining the appropriateness of a potential removal action at a Site are delineated in the NCP at 40 CFR 300.415(b)(2). A summary of the factors applicable to this Site is presented below.

- **Actual or potential exposure of nearby human populations, animals, or the food chain to hazardous substances, pollutants, or contaminants**

The Site is located in a mixed residential and commercial area. Residences are located north, east, and west of the Site. During the site assessment, the doors to the Site building were locked; however, some entrances to the building were in disrepair. Trespassers could enter the building by breaking in or by using the unsecured horizontal basement access door.

The nature of many of the container contents poses a potential exposure hazard to trespassers and first responders.

Site assessment sample analytical results indicate that hazardous wastes (for ignitability, corrosivity, and TCLP lead) are present at the Site, supporting the finding of the IEPA site assessment from March 2010. Because the drums and containers observed during the site assessment were in poor condition and evidence of past spills was observed, the threat of exposure of nearby populations and the environment exists.

- **Hazardous substances, pollutants, or contaminants in drums, barrels, tanks, or other bulk storage containers that may pose a threat of release**

The Site contains over 100 drums, vats, and other miscellaneous containers. During the site assessment, some drums and containers were in poor condition, open, and improperly labeled, with visible evidence of past spills. The threat of future release therefore is high. Site assessment sample analytical results indicate that hazardous wastes (for ignitability, corrosivity, and TCLP lead) are present at the Site.

A release of materials from the Site is possible because of the potential for trespassing, fire, and impacts from stormwater. Trespassers could cause a direct release of contaminants or a fire and subsequent dispersion of airborne contamination or contamination through fire-suppression water runoff. In addition, during the site assessment, it was observed that the building's compromised roof, a window well, and a deteriorating east exterior brick wall could allow stormwater to enter the building, potentially causing contaminants to migrate off site through overland flow. Public areas near the Site could be exposed to potentially hazardous materials if contaminants migrate off site.

- **Weather conditions that may cause hazardous substances, pollutants, or contaminants to migrate or be released**

Springfield receives an average yearly precipitation of 35.56 inches and an average yearly

snowfall of 24.6 inches. Temperatures ranged from 96 to -9 °F in 2009. The freeze-thaw cycle could result in further deterioration of the drums, vat and containers, as well as the Site building, especially the leaking roof and deteriorating east exterior brick wall, making conditions at the Site more dangerous.

In addition, during the site assessment, it was observed that the building's compromised roof, a window well, a basement drain, and a deteriorating east exterior brick wall could allow stormwater to enter the building, potentially causing contaminants to migrate off site through overland flow or be released to groundwater. During the site assessment, some drums and containers were in poor condition and open, with visible evidence of past spills. Although the drums and containers are stored inside the Site building, heavy precipitation could cause open containers and vats to overflow and result in further contaminant releases. These observations supported similar observations by IEPA.

- **Threat of fire or explosion**

U.S. EPA and IEPA site assessment sample analytical results both indicate that ignitable hazardous wastes are present at the Site. Other small containers that were not sampled could contain flammable materials. Based on the disrepair of the Site building, these flammable liquids could interact with strong oxidizers or vandals or trespassers present at the Site; therefore, the threat of fire or explosion exists at the Site.

- **The availability of other appropriate federal or state response mechanisms to respond to the release**

As state funds were not available for the cleanup, IEPA referred the Site to the U.S. EPA for consideration of a time-critical removal action in a letter dated June 4, 2010.

6. CONCLUSIONS AND RECOMMENDATIONS

This section discusses the conclusions and recommendations based on the site assessment findings.

6.1 CONCLUSIONS

During the site assessment, over 100 containers were identified throughout the Site. Most containers were labeled; however, the volume of the contents is unknown. WESTON START collected 13 solid samples and 1 liquid sample for analysis for asbestos, ignitability (flashpoint), cyanide, corrosivity (pH), TCLP metals, TAL metals, and TCL VOCs.

Results for one sample (NSA-MC1-110310) indicated ignitability. Results for five samples (NSA-MC1-110310, NSA-MC2-110310, NSA-DM1-110310, NSA-DM2-110310, and NSA-VT2-110310) indicated corrosivity. Results for two samples (NSA-DM1-110310 and NSA-DB5-110310) exceeded the 40 CFR 261 TCLP criteria for lead (DM1 and DB5). Results for eight samples (NSA-DM1-110310, NSA-VT3-110310, NSA-DB1-110310, NSA-DB2-110310, NSA-DB3-110310, NSA-DB4-110310, NSA-DB5-110310, and NSA-DB7-110310) exceeded the U.S. EPA RSLs – Industrial for TAL metals.

WESTON START personnel determined that wastes present on Site in dilapidated drums, miscellaneous containers, and vats pose a threat of release and an imminent and substantial threat to human health, human welfare, and the environment. Hazards identified at the Site include the following uncontrolled factors:

- Wastes exhibiting the characteristics of corrosive and ignitable materials
- Contaminants in open, decrepit, and leaking containers
- Unrestricted Site access
- Questionable integrity of building structures
- Close proximity of Site to residential properties
- Potential migration pathways from waste inside the building to public areas

Contaminants and conditions at the Site meet criteria established in the NCP for a removal action by the U.S. EPA. The removal action could be performed to mitigate imminent and substantial

endangerment posed to human health, human welfare, and the environment by Site conditions.

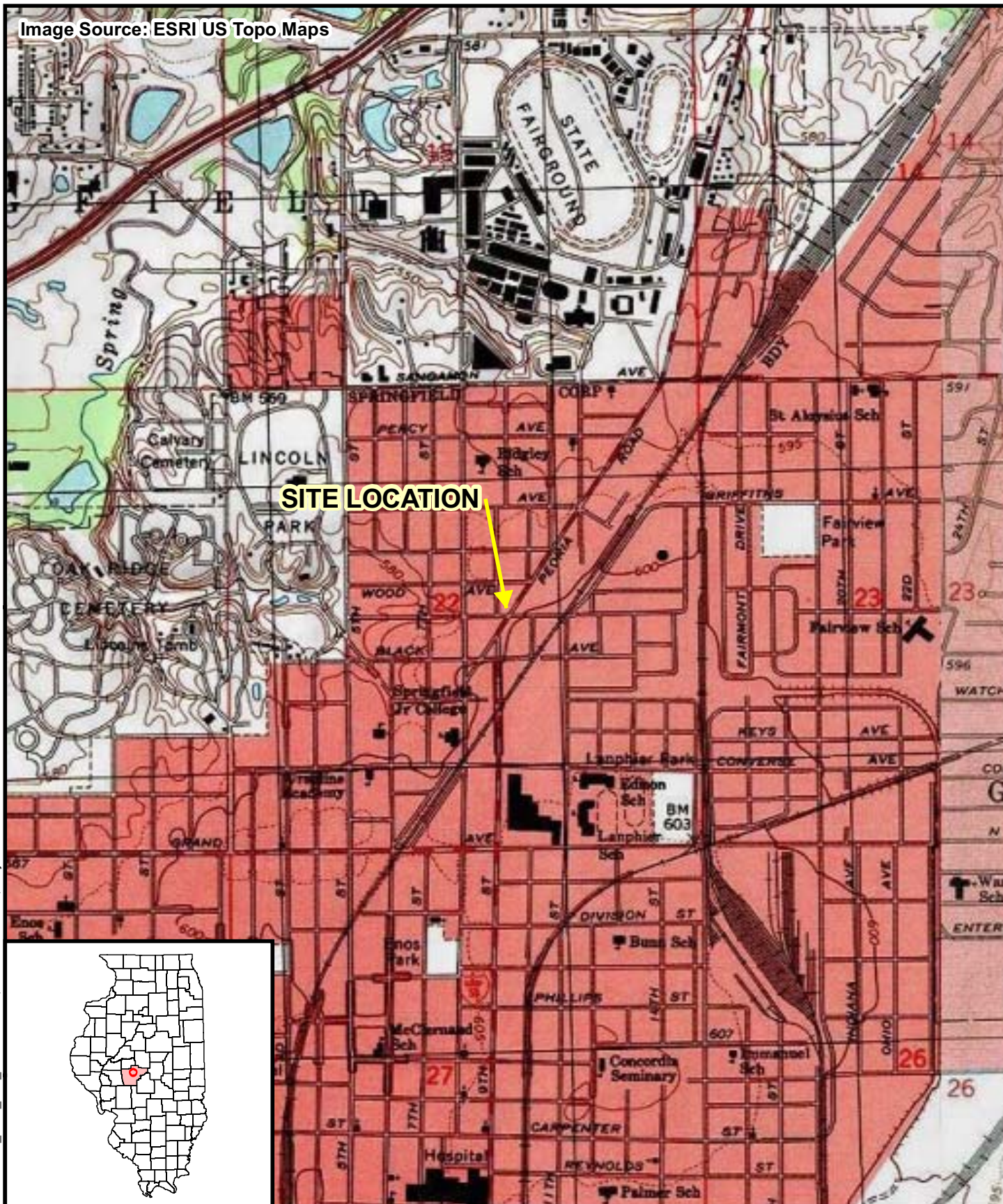
6.2 RECOMMENDATIONS

Based on information gathered during the site assessment, WESTON START's recommendations are summarized below.

- Current operations at the Site have been discontinued, but Site-related threats should be fully characterized and mitigated. The structural integrity of the Site building also should be evaluated.
- All uncontrolled wastes should be removed from the Site to reduce the potential for release of hazardous materials that could result in, but not be limited to, any or all of the following:
 - Potential exposure of human populations to Site contaminants and
 - Potential for fire at the Site that could result in releases of hazardous contaminants and vapors.
- An emergency removal action may be needed to address Site hazards and to mitigate the imminent and substantial endangerment posed to human health, human welfare, and the environment by Site conditions.

FIGURES

Image Source: ESRI US Topo Maps



SITE LOCATION



Legend

0 2,000 Feet



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Figure 1-1

Site Location Map

Nutronics, Inc Site Assessment
Springfield, Sangamon County, Illinois

Image Source: ESRI Bing Maps



Legend

 Site Boundary

0 50
 Feet



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Figure 2-1

Site Boundary Map

Nutronics, Inc Site Assessment
Springfield, Sangamon County, Illinois

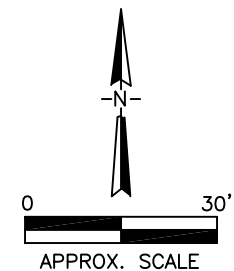
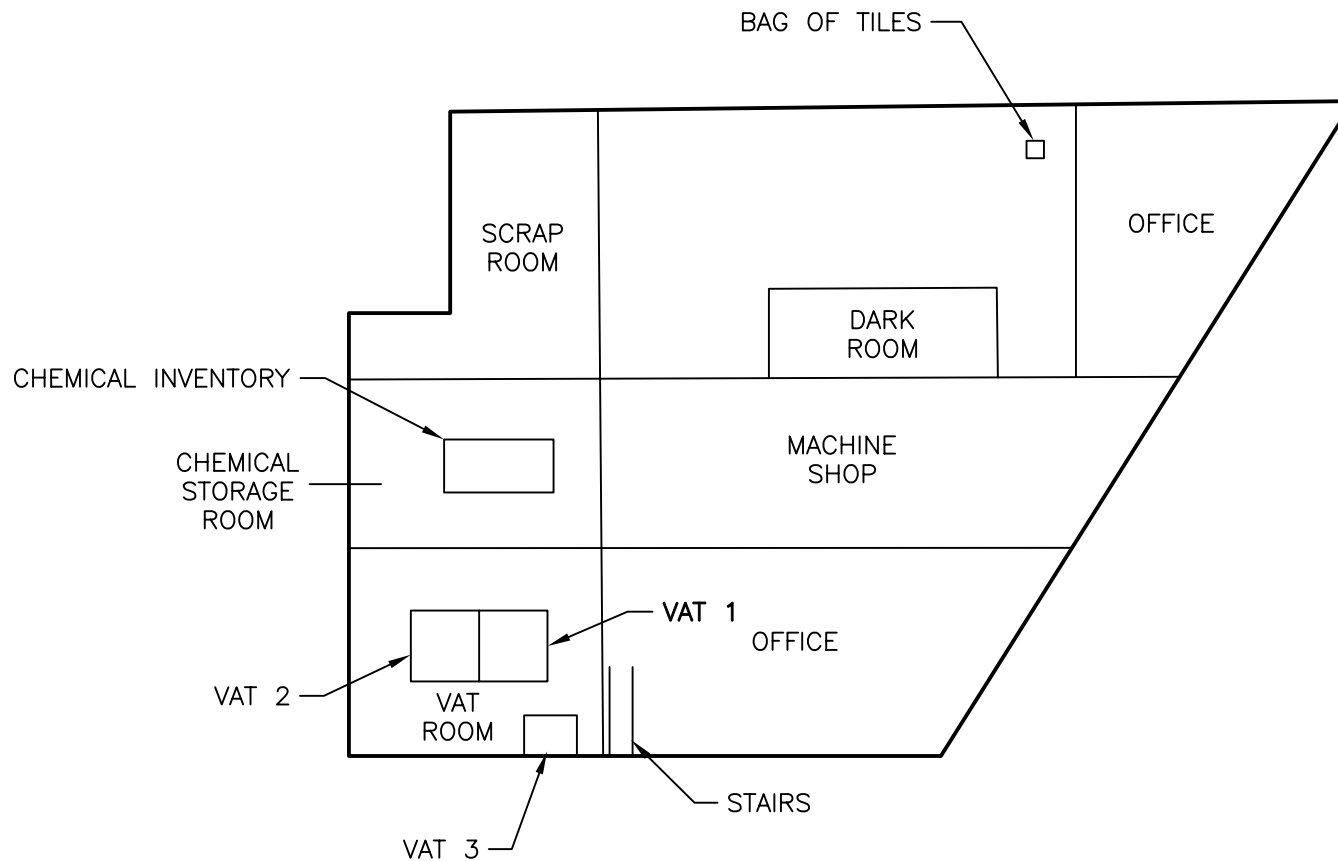


Figure 2-2a



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Site Layout Map - First Floor
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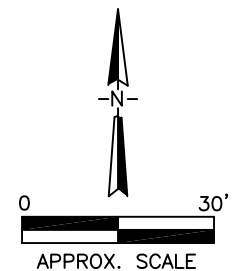
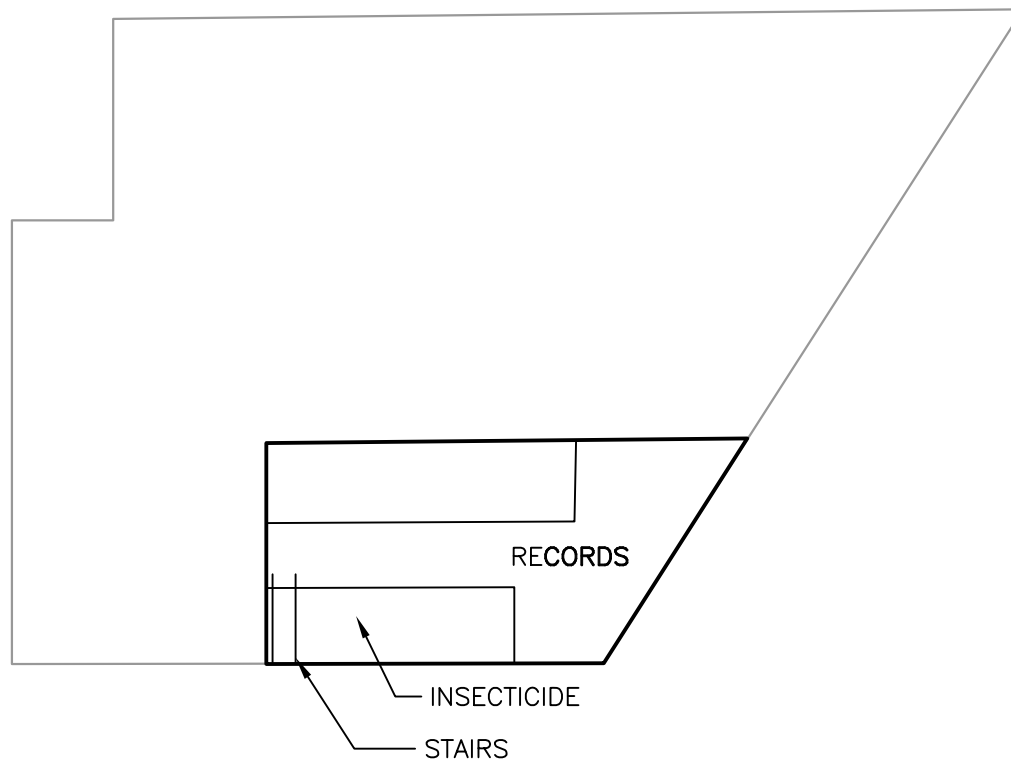


Figure 2-2b



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DCN: 1187-2A-ALID



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Site Layout Map - Second Floor
Nutronics, Inc. Site Assessment
1703 Peoria Road
Springfield, Sangamon County, Illinois

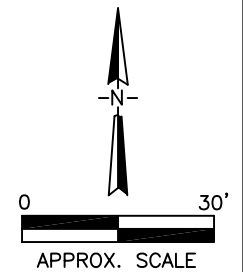
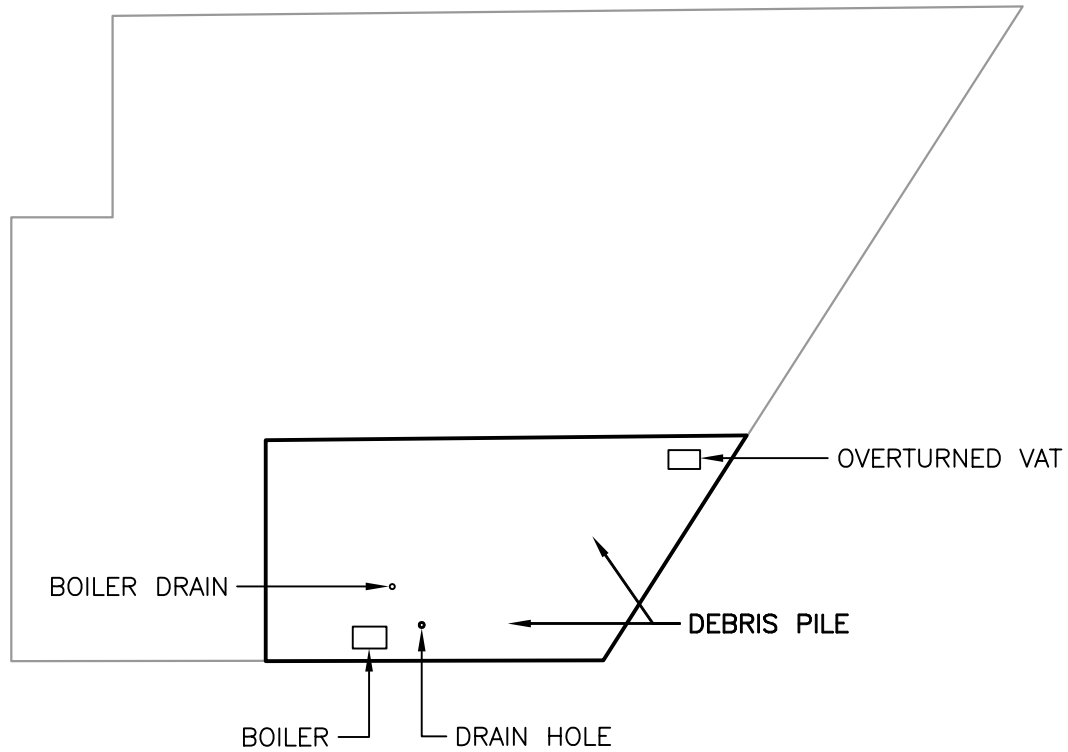


Figure 2-2c



Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0001-1009-003
DCN: 1187-2A-ALID



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Site Layout Map - Basement
Nutronics, Inc. Site Assessment
1703 Peoria Road
Springfield, Sangamon County, Illinois

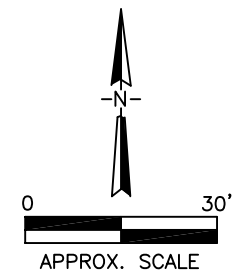
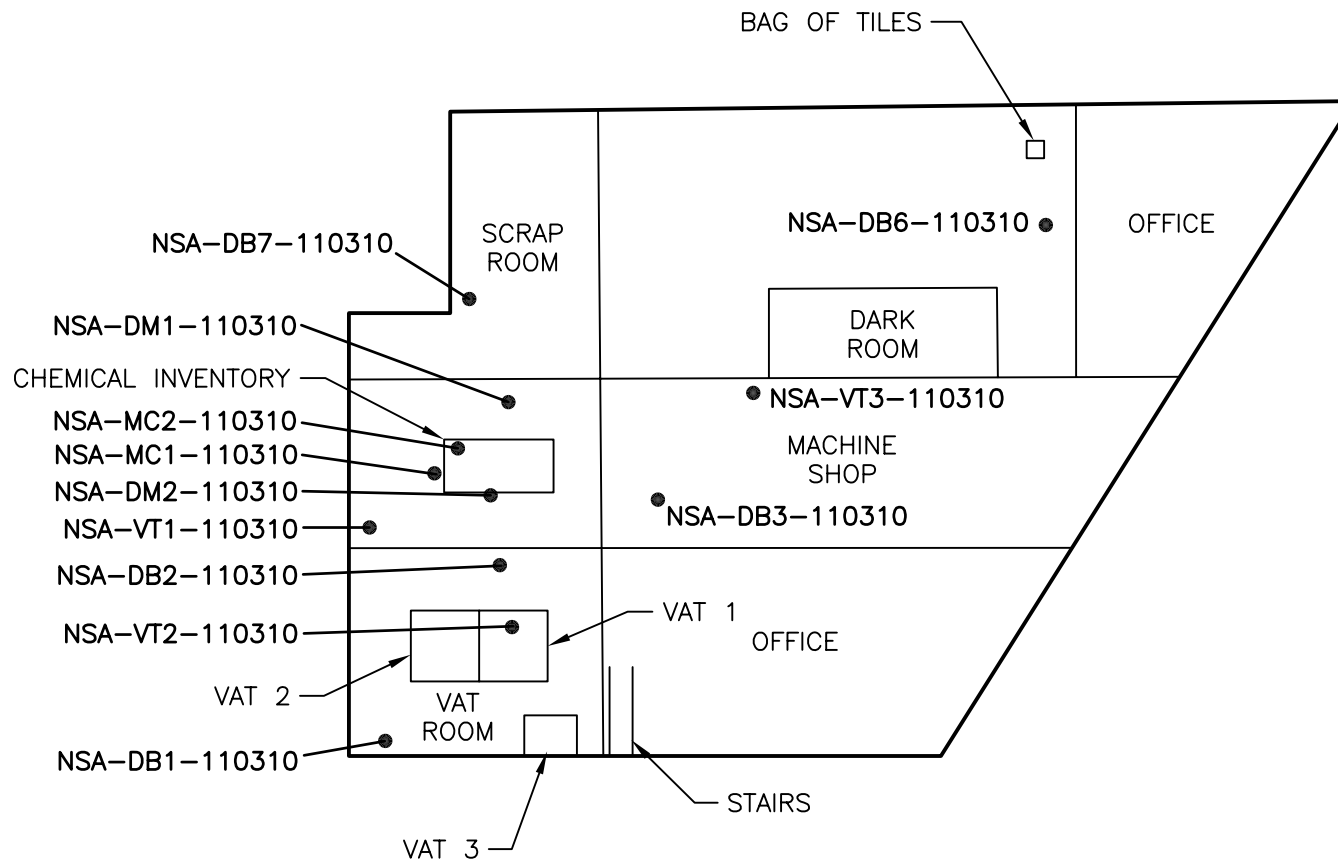


Figure 3-1a

LEGEND

- SAMPLING LOCATION



Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0001-1009-003
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Sampling Location Map - First Floor
Nutronics, Inc. Site Assessment
1703 Peoria Road
Springfield, Sangamon County, Illinois

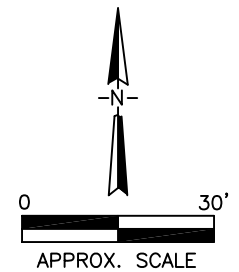
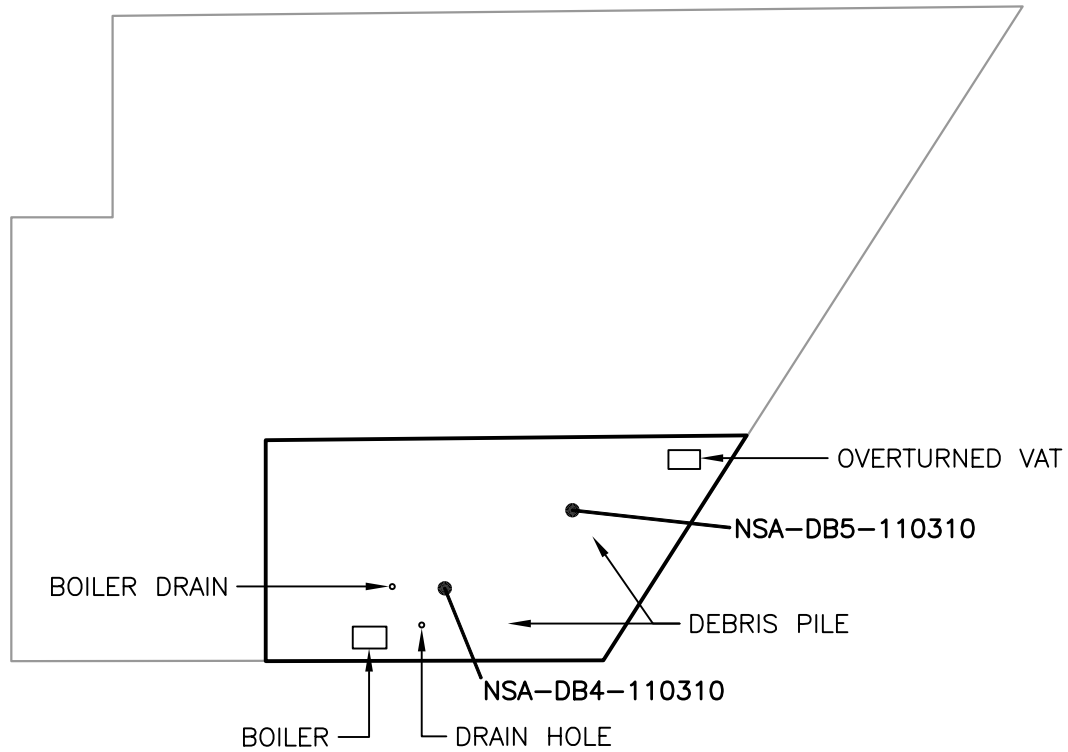


Figure 3-1b

LEGEND

- SAMPLING LOCATION



Prepared For:
U.S. EPA. REGION V
Contract No: EP-S5-06-04
TDD NO: S05-0001-1009-003
DCN: 1187-2A-ALID



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Sampling Location Map - Basement
Nutronics, Inc. Site Assessment
1703 Peoria Road
Springfield, Sangamon County, Illinois

TABLES

Table 3-1
First Floor Container Inventory
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

Location	Size (gallons)	Type of Container	Percent Full	Contents or Labeling	Notes
Chemical Storage Room	5	Poly	33	Special Film Cleaner	Flammable
	5	Poly	12.5	Special Film Cleaner	Flammable
	5	Poly	12.5	"___borate"	Toxic 6
	5	Poly	100	DPC-20 Screen cleaner	
	5	Poly	100	Metex 9074 PTH Accelerator	Corrosive 8
	5	Poly	12.5	Solder leveling flux, hydrobromic acid	
	5	Poly	25	Macudep Formaldehyde	Corrosive 8
	75	Poly	5	No label, tank for pre-treatment	
	50	Poly	15	No label, tank for pre-treatment	Blue solids
	5	Poly	12.5	ADF-12 Bat Aqueous resist stripper	
	5	Poly	25	Floculite 551	
	5	Poly	25	Developer 13	Flammable liquid
	5	Poly	50	Aduafar 2000 Developer KB-18	
	5	Poly	100	Aduafar 2000 Developer KB-18	
	5	Poly	66	Aqua flo	
	5	Poly	66	Aqua flo	
	5	Poly	33	Aqua flo	
	5	Poly	100	Aqua flo	
	5	Poly	5	Aqua flo	
	5	Poly	66	9 Ropyl	
	5	Poly	100	Circutek EC-1099B	Corrosive
	5	Poly	50	NPS-10, Non-peroxide tin/lead stripper	
	5	Poly	75	Neutralized mactivate, Precipitate tin and palladium	
	5	Poly	25	M-Copper 85c	Corrosive
	5	Poly	75	M-Copper 85c	Corrosive
	5	Poly	75	M-Copper 85d	Corrosive
	10	N/R	50	Metex circuit scrub	
	0.25	N/R	50	Vacuum pump oil	
	1	N/R	100	Sodium Thiosulfate	
	0.1	N/R	50	Potassium Iodide	
	0.25	N/R	50	Sodium Sulfide	
	0.25	N/R	50	Potassium Thiocyanate	
	1	N/R	50	Starch indicator	
	1	N/R	50	Starch indicator	
	1	N/R	50	Sulfuric acid	
	0.25	N/R	100	Sodium Thiosulfate	
	0.25	N/R	100	Sulfuric acid	
	1	Metal	50	Descumming chalk	
	1	Metal	50	Resist hardener	
	0.25	Glass	33	Direct emulsion	
	0.25	Glass	N/R	Finisher	
	1	N/R	25	KOPA	
	1	N/R	100	Stencil remover	
	1	N/R	100	Ulanogel	
	1	N/R	100	Phico-fix	
	1	N/R	75	Disodium	
	0.25	N/R	N/R	Kopa sensitizer	
	1	Metal	N/R		Paint
	1	Metal	N/R		Paint
	0.25	N/R	N/R	Chemiclex	
	<0.25	N/R	N/R	Methyl	
	<0.25	N/R	N/R	Pan indicator	
	1	Glass	100	Phico-chromic streak eliminator	
	1	Glass	100	Phico-chromic streak eliminator	

Table 3-1
First Floor Container Inventory
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

Location	Size (gallons)	Type of Container	Percent Full	Contents or Labeling	Notes
Chemical Storage Room	1	Glass	100	Phico-chromic streak eliminator	
	1	Glass	100	Phico-chromic streak eliminator	
	1	Glass	100	Type II resist	
	0.25	N/R	N/R	Lacquer	
	0.25	N/R	N/R	Lacquer	
	0.25	N/R	N/R	Lacquer	
	1	N/R	N/R	Screen filler	
	1	N/R	N/R	Screen filler	
	1	N/R	N/R	Degreaser	
	1	N/R	N/R	Degreaser	
	<0.25	N/R	N/R	Potassium iodide	
	<0.25	N/R	N/R		Unknown
	<0.25	N/R	N/R		Unknown
	<0.25	N/R	N/R		Unknown
	<0.25	N/R	N/R	Sodium sulfite	
	<0.25	N/R	N/R	Murexide	
	0.5	N/R	N/R	Hydrochloric acid	
	0.5	N/R	N/R	Hydrochloric acid	
	0.5	N/R	N/R	Muriatic acid	
	<0.25	N/R	N/R	Zinc chloride	
	N/R	N/R	N/R	Circutec ME-515	
	N/R	N/R	N/R	Circutec PD-7765	
	N/R	N/R	N/R	Sulfuric acid	
	N/R	N/R	N/R	Hydrochloric acid	
	N/R	N/R	N/R	Pumice	
	N/R	N/R	N/R	Nutriclean	
	5	Poly	12.5	Sodium hydroxide	
	5	Poly	25	Nalco Nalmet 93NP058 Heavy Metal Remove	
	5	Poly	75	Circutec EC-1099B Electroless Copper 1099	
	5	Poly	66	Metex CO Ag	Corrosive
	5	Poly	75	Copper sulfate	Corrosive
	5	Poly	50	Hydrochloric acid (HW)	
	5	Poly	33	Muriatic acid	Corrosive 8
	5	Poly	75	Microetch 3015	Oxidizer 5.1
	5	Poly	66	Sulfuric acid	Corrosive, Oxidizer
	5	Poly	50	Flo rite LV	Corrosive 8
	5	Poly	33	Aqua flo	Possible waste oil
	5	Poly	33	Lonco neutralize	
	25	Poly	75	HW	
	25	Poly	75	Lonco ORMS NP stopper (HW)	
	55	Poly	75	Tin/lead waste (HW), caustic soda	
	55	Poly	75	Metex 9233 solder	Corrosive
	55	Poly	75	Board solder	Corrosive 8
	55	Poly	<25	Amersep MP-3R metal precipitant	
	55	Poly	66	Liquid caustic soda	
	55	Steel	0		Empty
	55	Poly	0		Empty
	55	Poly	0		Empty
	55	Poly	0		Empty
	1	Poly	100	Circutec EC-1099S	
	1	Poly	100	Circutec EC-1099S	
	1	Poly	100	Circutec EC-1099S	
	1	Poly	100	Circutec EC-1099S	
	1	Poly	100	Circutec EC-1099S	

Table 3-1
First Floor Container Inventory
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

Location	Size (gallons)	Type of Container	Percent Full	Contents or Labeling	Notes
Chemical Storage Room	1	Poly	50	Circuttek EC-1099S	
	1	Poly	<25	Circuttek EC-1099S	
	0.25	Poly	100	Ammonia hydroxide	Corrosive
	0.25	Poly	25	Ammonia Chloride buffer	
	0.25	Poly	100	Ammonia Chloride buffer	
	<0.25	Poly	50	Ammonia Chloride	
	<0.25	Poly	50	Zinc chloride	
	20	Cardboard	75	NAHCO3	
	15	Cardboard	N/R	Macu prep etch G-4	
	10	Cardboard	50		Unlabeled, white powder
	0.5	N/R	75	Lpi white paint	
	0.5	N/R	75	Blue	
	0.5	N/R	75	Clear lacquer	
	10	Cardboard	50	M-Glass etch	
	1	N/R	50	Metex universal stabilizer	
	1.5	Poly	75	Buffer solution pH 4	
	1	N/R	100	Sulfuric acid	
Vat Room	~500	Poly	50	Vat with compartments	Blue-green liquid
	~500	Poly	50	Vat with compartments	Blue-green liquid
	~500	Poly	33	Vat	Blue-green liquid

Notes:

N/R = Not recorded

Poly = Polyethylene

Table 3-2
Sampling Location and Analysis Summary
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

Sample ID	Matrix	Sampling Location	Analyses	Notes
NSA-MC1-110310	Solid	Chemical Storage Room	Ignitability, cyanide, corrosivity, TAL metals, and TCL VOCs	5-gallon container labeled "Aqua Flow"; MultiRAE reading of 230 ppm VOCs
NSA-MC2-110310		Chemical Storage Room	Corrosivity	5-gallon white bucket with handwritten label reading "HCL"
NSA-DM1-110310		Chemical Storage Room	Ignitability, cyanide, corrosivity, TCLP metals, and TAL metals	Black, unlabeled 5-gallon drum
NSA-DM1-110310D		Chemical Storage Room	Ignitability, cyanide, corrosivity, TCLP metals, and TAL metals	Field duplicate
NSA-DM2-110310		Chemical Storage Room	Corrosivity	Blue 35-gallon drum with handwritten label reading "Sulfuric"
NSA-VT1-110310		Chemical Storage Room	Cyanide, corrosivity, TCLP metals, and TAL metals	Blue crystalline residue in vat
NSA-VT2-110310	Liquid	Vat Room	Ignitability, cyanide, corrosivity, and TAL metals	Blue-green liquid in vat
NSA-VT3-110310	Solid	Machine Shop	Ignitability, cyanide, corrosivity, and TAL metals	Blue-green liquid in sink with thermoelectric plating supplies connected
NSA-DB1-110310		Vat Room	Cyanide, corrosivity, TCLP metals, and TAL metals	Blue and gray suspected spill residue
NSA-DB2-110310		Vat Room	Cyanide, corrosivity, TCLP metals, and TAL metals	Blue suspected spill residue
NSA-DB3-110310		Machine Shop	Cyanide, corrosivity, TCLP metals, and TAL metals	Blue crystalline residue
NSA-DB3-110310D		Machine Shop	Cyanide, corrosivity, TCLP metals, and TAL metals	Field duplicate
NSA-DB4-110310		Basement	Cyanide, corrosivity, TCLP metals, and TAL metals	Blue suspected spill residue
NSA-DB5-110310		Basement	Cyanide, corrosivity, TCLP metals, and TAL metals	Gray powder
NSA-DB6-110310		Office	Asbestos	Degraded ceiling tiles
NSA-DB7-110310		Scrap Room	Cyanide, corrosivity, and TAL metals	Scrap copper-plated planks

Notes:

DM = Drum

DB = Debris

ID = Identification

NSA = Nutronics Site Assessment

MC = Miscellaneous container

ppm = Part per million

TAL = Target Analyte List

TCL = Target Compound List

TCLP – Toxicity Characteristic Leaching Procedure

VOC = Volatile organic compound

VT =Vat or tank

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-MC1	NSA-MC2	NSA-DM1	NSA-DM1	NSA-DM2	NSA-VT1	
			Field Sample ID	NSA-MC1-110310	NSA-MC2-110310	NSA-DM1-110310	NSA-DM1-110310D	NSA-DM2-110310	NSA-VT1-110310	
				Sampling Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
				Waste Type	Solid	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSL ^b	Unit							
Asbestos										
Asbestos	NL	NL	%	NA	NA	NA	NA	NA	NA	
Binder	NL	NL	%	NA	NA	NA	NA	NA	NA	
Cellulose	NL	NL	%	NA	NA	NA	NA	NA	NA	
Other Parameters										
Ignitability	<140	NL	°F	95	NA	205	201	NA	NA	
Cyanide	NL	20,000	mg/kg	0.25 U	NA	0.25 U	0.25 U	NA	0.25 U	
pH	2≤pH≤12	NL	S.U.	2	2	2	2	2	6.2	
TCLP Metals										
Arsenic	5	NL	mg/L	NA	NA	5 U	5 U	NA	0.025 U	
Barium	100	NL	mg/L	NA	NA	25 U	25 U	NA	0.12 U	
Cadmium	1	NL	mg/L	NA	NA	2.5 U	2.5 U	NA	0.012 U	
Chromium	5	NL	mg/L	NA	NA	5 U	5 U	NA	0.089	
Lead	5	NL	mg/L	NA	NA	21,000	14,000	NA	0.87	
Selenium	1	NL	mg/L	NA	NA	5 U	5 U	NA	0.025 U	
Silver	5	NL	mg/L	NA	NA	5 U	5 U	NA	0.025 U	
Mercury	0.2	NL	mg/L	NA	NA	0.002 U	0.002 U	NA	0.0002 U	
TAL Metals										
Aluminum	NL	990,000	mg/kg	200 U	NA	170 U	190 U	NA	190 U	
Antimony	NL	410	mg/kg	20 U	NA	17 U	19 U	NA	19 U	
Arsenic	NL	1.6	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U	
Barium	NL	190,000	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U	
Beryllium	NL	2,000	mg/kg	5 U	NA	4.2 U	4.9 U	NA	4.6 U	
Cadmium	NL	800	mg/kg	5 U	NA	4.2 U	4.9 U	NA	4.6 U	
Calcium	NL	NL	mg/kg	600 U	NA	510 U	580 U	NA	560 U	
Chromium	NL	NL	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U	
Cobalt	NL	300	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U	
Copper	NL	41,000	mg/kg	37	NA	21 U	24 U	NA	24,000	
Iron	NL	720,000	mg/kg	300 U	NA	250 U	290 U	NA	280 U	
Lead	NL	800	mg/kg	5 U	NA	34,000	35,000	NA	50	
Magnesium	NL	NL	mg/kg	300 U	NA	250 U	290 U	NA	2,200	
Manganese	NL	23,000	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U	

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-MC1	NSA-MC2	NSA-DM1	NSA-DM1	NSA-DM2	NSA-VT1
			Field Sample ID	NSA-MC1-110310	NSA-MC2-110310	NSA-DM1-110310	NSA-DM1-110310D	NSA-DM2-110310	NSA-VT1-110310
			Sampling Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSL ^b	Unit						
Mercury	NL	34	mg/kg	0.02 U	NA	0.017 U	0.015 U	NA	0.02 U
Nickel	NL	20,000	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U
Potassium	NL	NL	mg/kg	300 U	NA	250 U	290 U	NA	230,000
Selenium	NL	5,100	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U
Silver	NL	5,100	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U
Sodium	NL	NL	mg/kg	600 U	NA	19,000	19,000	NA	120,000
Thallium	NL	NL	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U
Vanadium	NL	72	mg/kg	10 U	NA	8.4 U	9.7 U	NA	9.3 U
Zinc	NL	310,000	mg/kg	50 U	NA	42 U	49 U	NA	46 U
TCL VOCs									
1,1,1-Trichloroethane	NL	38,000	mg/kg	11 U	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NL	2.8	mg/kg	11 U	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NL	5.3	mg/kg	11 U	NA	NA	NA	NA	NA
1,1-Dichloroethane	NL	17	mg/kg	11 U	NA	NA	NA	NA	NA
1,1-Dichloroethylene	NL	1,100	mg/kg	11 U	NA	NA	NA	NA	NA
1,2-Dichloroethane	NL	2.2	mg/kg	11 U	NA	NA	NA	NA	NA
1,2-Dichloropropane	NL	4.5	mg/kg	11 U	NA	NA	NA	NA	NA
2-Butanone	NL	200,000	mg/kg	170 U	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NL	53,000	mg/kg	46 U	NA	NA	NA	NA	NA
Acetone	NL	630,000	mg/kg	170 U	NA	NA	NA	NA	NA
Benzene	NL	5.4	mg/kg	11 U	NA	NA	NA	NA	NA
Bromodichloromethane	NL	1.4	mg/kg	11 U	NA	NA	NA	NA	NA
Bromomethane	NL	32	mg/kg	23 U	NA	NA	NA	NA	NA
Carbon Disulfide	NL	3,700	mg/kg	110 U	NA	NA	NA	NA	NA
Carbon Tetrachloride	NL	3	mg/kg	11 U	NA	NA	NA	NA	NA
Chlorobenzene	NL	1,400	mg/kg	11 U	NA	NA	NA	NA	NA
Chlorodibromomethane	NL	3.3	mg/kg	11 U	NA	NA	NA	NA	NA
Chloroethane	NL	61,000	mg/kg	23 U	NA	NA	NA	NA	NA
Chloroform	NL	1.5	mg/kg	11 U	NA	NA	NA	NA	NA
Chloromethane	NL	500	mg/kg	23 U	NA	NA	NA	NA	NA
Cis-1,2-Dichloroethene	NL	10,000	mg/kg	11 U	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	NL	NL	mg/kg	4.6 U	NA	NA	NA	NA	NA

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-MC1	NSA-MC2	NSA-DM1	NSA-DM1	NSA-DM2	NSA-VT1
			Field Sample ID	NSA-MC1-110310	NSA-MC2-110310	NSA-DM1-110310	NSA-DM1-110310D	NSA-DM2-110310	NSA-VT1-110310
			Sampling Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSL ^b	Unit						
Dichloromethane	NL	53	mg/kg	23 U	NA	NA	NA	NA	NA
Ethylbenzene	NL	27	mg/kg	11 U	NA	NA	NA	NA	NA
Methyl N-Butyl Ketone	NL	1,400	mg/kg	46 U	NA	NA	NA	NA	NA
Methyl Tert-Butyl Ether	NL	220	mg/kg	11 U	NA	NA	NA	NA	NA
Methylbenzene	NL	45,000	mg/kg	11 U	NA	NA	NA	NA	NA
Styrene (Monomer)	NL	36,000	mg/kg	11 U	NA	NA	NA	NA	NA
Tetrachloroethene	NL	2.6	mg/kg	11 U	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	NL	690	mg/kg	11 U	NA	NA	NA	NA	NA
Trans-1,3-Dichloropropene	NL	NL	mg/kg	4.6 U	NA	NA	NA	NA	NA
Tribromomethane	NL	220	mg/kg	11 U	NA	NA	NA	NA	NA
Trichloroethylene	NL	14	mg/kg	11 U	NA	NA	NA	NA	NA
Vinyl Chloride	NL	1.7	mg/kg	11 U	NA	NA	NA	NA	NA
Xylenes, Total	NL	2,700	mg/kg	34 U	NA	NA	NA	NA	NA

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-VT3	NSA-DB1	NSA-DB2	NSA-DB3	NSA-DB3	NSA-DB4
			Field Sample ID	NSA-VT3-110310	NSA-DB1-110310	NSA-DB2-110310	NSA-DB3-110310	NSA-DB3-110310D	NSA-DB4-110310
				Sample Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
				Waste Type	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit						
Asbestos									
Asbestos	NL	NL	%	NA	NA	NA	NA	NA	NA
Binder	NL	NL	%	NA	NA	NA	NA	NA	NA
Cellulose	NL	NL	%	NA	NA	NA	NA	NA	NA
Other Parameters									
Ignitability	<140	NL	°F	205	NA	NA	NA	NA	NA
Cyanide	NL	20,000	mg/kg	0.25 U	0.25 U	2.9	0.25 U	0.25 U	0.25 U
pH	2<pH>12	NL	S.U.	6.6	5.3	7	6.6	6.8	7.2
TCLP Metals									
Arsenic	5	NL	mg/L	NA	0.025 U	0.025 U	0.01 U	0.01 U	0.025 U
Barium	100	NL	mg/L	NA	0.12 U	0.12 U	0.26	0.35	0.3
Cadmium	1	NL	mg/L	NA	0.14	0.019	0.005 U	0.005 U	0.012 U
Chromium	5	NL	mg/L	NA	0.063	0.025 U	0.01 U	0.01 U	0.025 U
Lead	5	NL	mg/L	NA	0.33	0.25	0.005 U	0.005 U	1.1
Selenium	1	NL	mg/L	NA	0.025 U	0.025 U	0.01 U	0.01 U	0.025 U
Silver	5	NL	mg/L	NA	0.025 U	0.025 U	0.01 U	0.01 U	0.025 U
Mercury	0.2	NL	mg/L	NA	0.0002 U	0.0002 U	0.00024	0.0002 U	0.0002 U
TAL Metals									
Aluminum	NL	990,000	mg/kg	170 U	10,000	9,000	620	800	3,000
Antimony	NL	410	mg/kg	17 U	24 J	19 U	19 U	20 U	19 U
Arsenic	NL	1.6	mg/kg	8.7 U	10 U	9.7 U	9.7 U	9.8 U	9.7 U
Barium	NL	190,000	mg/kg	8.7 U	65	39	17	29	220
Beryllium	NL	2,000	mg/kg	4.4 U	5 U	4.9 U	4.9 U	4.9 U	4.9 U
Cadmium	NL	800	mg/kg	4.4 U	5 U	4.9 U	4.9 U	4.9 U	4.9 U
Calcium	NL	NL	mg/kg	520 U	32,000	41,000	3,100	3,200	29,000
Chromium	NL	NL	mg/kg	8.7 U	160	23	46	54	65
Cobalt	NL	300	mg/kg	17	10 U	9.7 U	9.7 U	9.8 U	9.7 U
Copper	NL	41,000	mg/kg	22 U	25,000	45,000	160,000	190,000	11,000
Iron	NL	720,000	mg/kg	260 U	85,000	6,100	1,900	2,800	48,000
Lead	NL	800	mg/kg	4.4 U	1,300	1,400	200	180	9,500
Magnesium	NL	NL	mg/kg	260 U	6,000	5,600	290 U	290 U	3,100
Manganese	NL	23,000	mg/kg	8.7 U	430	270	14	16	230
Mercury	NL	34	mg/kg	0.018 U	0.058	0.02 U	0.042	0.026	0.15

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-VT3	NSA-DB1	NSA-DB2	NSA-DB3	NSA-DB3	NSA-DB4
			Field Sample ID	NSA-VT3-110310	NSA-DB1-110310	NSA-DB2-110310	NSA-DB3-110310	NSA-DB3-110310D	NSA-DB4-110310
			Sample Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit						
Nickel	NL	20,000	mg/kg	50,000	83	26	42	46	36
Potassium	NL	NL	mg/kg	260 U	6,600	8,000	330	350	1,900
Selenium	NL	5,100	mg/kg	8.7 U	10 U	9.7 U	9.7 U	9.8 U	9.7 U
Silver	NL	5,100	mg/kg	8.7 U	10 U	9.7 U	9.7 U	9.8 U	17
Sodium	NL	NL	mg/kg	520 U	20,000	99,000	9,500	6,400	580 U
Thallium	NL	NL	mg/kg	8.7 U	10 U	9.7 U	9.7 U	9.8 U	9.7 U
Vanadium	NL	72	mg/kg	8.7 U	10 U	9.7 U	9.7 U	9.8 U	11
Zinc	NL	310,000	mg/kg	110	2,000	190	100	99	280
TCL VOCs									
1,1,1-Trichloroethane	NL	38,000	mg/kg	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NL	2.8	mg/kg	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NL	5.3	mg/kg	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NL	17	mg/kg	NA	NA	NA	NA	NA	NA
1,1-Dichloroethylene	NL	1,100	mg/kg	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NL	2.2	mg/kg	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NL	4.5	mg/kg	NA	NA	NA	NA	NA	NA
2-Butanone	NL	200,000	mg/kg	NA	NA	NA	NA	NA	NA
4-Methyl-2-Pentanone	NL	53,000	mg/kg	NA	NA	NA	NA	NA	NA
Acetone	NL	630,000	mg/kg	NA	NA	NA	NA	NA	NA
Benzene	NL	5.4	mg/kg	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NL	1.4	mg/kg	NA	NA	NA	NA	NA	NA
Bromomethane	NL	32	mg/kg	NA	NA	NA	NA	NA	NA
Carbon Disulfide	NL	3,700	mg/kg	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NL	3	mg/kg	NA	NA	NA	NA	NA	NA
Chlorobenzene	NL	1,400	mg/kg	NA	NA	NA	NA	NA	NA
Chlorodibromomethane	NL	3.3	mg/kg	NA	NA	NA	NA	NA	NA
Chloroethane	NL	61,000	mg/kg	NA	NA	NA	NA	NA	NA
Chloroform	NL	1.5	mg/kg	NA	NA	NA	NA	NA	NA
Chloromethane	NL	500	mg/kg	NA	NA	NA	NA	NA	NA
Cis-1,2-Dichloroethene	NL	10,000	mg/kg	NA	NA	NA	NA	NA	NA
Cis-1,3-Dichloropropene	NL	NL	mg/kg	NA	NA	NA	NA	NA	NA
Dichloromethane	NL	53	mg/kg	NA	NA	NA	NA	NA	NA
Ethylbenzene	NL	27	mg/kg	NA	NA	NA	NA	NA	NA

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-VT3	NSA-DB1	NSA-DB2	NSA-DB3	NSA-DB3	NSA-DB4
			Field Sample ID	NSA-VT3-110310	NSA-DB1-110310	NSA-DB2-110310	NSA-DB3-110310	NSA-DB3-110310D	NSA-DB4-110310
			Sample Date	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit						
Methyl N-Butyl Ketone	NL	1,400	mg/kg	NA	NA	NA	NA	NA	NA
Methyl Tert-Butyl Ether	NL	220	mg/kg	NA	NA	NA	NA	NA	NA
Methylbenzene	NL	45,000	mg/kg	NA	NA	NA	NA	NA	NA
Styrene (Monomer)	NL	36,000	mg/kg	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NL	2.6	mg/kg	NA	NA	NA	NA	NA	NA
Trans-1,2-Dichloroethene	NL	690	mg/kg	NA	NA	NA	NA	NA	NA
Trans-1,3-Dichloropropene	NL	NL	mg/kg	NA	NA	NA	NA	NA	NA
Tribromomethane	NL	220	mg/kg	NA	NA	NA	NA	NA	NA
Trichloroethylene	NL	14	mg/kg	NA	NA	NA	NA	NA	NA
Vinyl Chloride	NL	1.7	mg/kg	NA	NA	NA	NA	NA	NA
Xylenes, Total	NL	2,700	mg/kg	NA	NA	NA	NA	NA	NA

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-DB5	NSA-DB6	NSA-DB7
			Field Sample ID	NSA-DB5-110310	NSA-DB6-110310	NSA-DB7-110310
			Sample Date	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit			
Asbestos						
Asbestos	NL	NL	%	NA	1 U	NA
Binder	NL	NL	%	NA	75-80	NA
Cellulose	NL	NL	%	NA	20-25	NA
Other Parameters						
Ignitability	<140	NL	°F	NA	NA	NA
Cyanide	NL	20,000	mg/kg	0.25 U	NA	0.25 U
pH	2<pH>12	NL	S.U.	8.7	NA	6.4
TCLP Metals						
Arsenic	5	NL	mg/L	0.025 U	NA	NA
Barium	100	NL	mg/L	0.16	NA	NA
Cadmium	1	NL	mg/L	0.027	NA	NA
Chromium	5	NL	mg/L	0.025 U	NA	NA
Lead	5	NL	mg/L	9.4	NA	NA
Selenium	1	NL	mg/L	0.025 U	NA	NA
Silver	5	NL	mg/L	0.025 U	NA	NA
Mercury	0.2	NL	mg/L	0.0002 U	NA	NA
TAL Metals						
Aluminum	NL	990,000	mg/kg	22,000	NA	2,200
Antimony	NL	410	mg/kg	20 U	NA	26 U
Arsenic	NL	1.6	mg/kg	34	NA	17
Barium	NL	190,000	mg/kg	150	NA	13 U
Beryllium	NL	2,000	mg/kg	4.9 U	NA	6.5 U
Cadmium	NL	800	mg/kg	4.9 U	NA	6.5 U
Calcium	NL	NL	mg/kg	55,000	NA	5,500
Chromium	NL	NL	mg/kg	25	NA	13 U
Cobalt	NL	300	mg/kg	9.9 U	NA	13 U
Copper	NL	41,000	mg/kg	920	NA	110,000
Iron	NL	720,000	mg/kg	1,300	NA	390 U
Lead	NL	800	mg/kg	180	NA	6.5 U
Magnesium	NL	NL	mg/kg	940	NA	390 U
Manganese	NL	23,000	mg/kg	20	NA	13 U
Mercury	NL	34	mg/kg	0.024	NA	0.018 U

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-DB5	NSA-DB6	NSA-DB7
			Field Sample ID	NSA-DB5-110310	NSA-DB6-110310	NSA-DB7-110310
			Sample Date	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit			
Nickel	NL	20,000	mg/kg	9.9 U	NA	27
Potassium	NL	NL	mg/kg	320	NA	390 U
Selenium	NL	5,100	mg/kg	9.9 U	NA	13 U
Silver	NL	5,100	mg/kg	9.9 U	NA	13 U
Sodium	NL	NL	mg/kg	1,400	NA	780 U
Thallium	NL	NL	mg/kg	9.9 U	NA	13 U
Vanadium	NL	72	mg/kg	17	NA	13 U
Zinc	NL	310,000	mg/kg	49 U	NA	65 U
TCL VOCs						
1,1,1-Trichloroethane	NL	38,000	mg/kg	NA	NA	NA
1,1,2,2-Tetrachloroethane	NL	2.8	mg/kg	NA	NA	NA
1,1,2-Trichloroethane	NL	5.3	mg/kg	NA	NA	NA
1,1-Dichloroethane	NL	17	mg/kg	NA	NA	NA
1,1-Dichloroethylene	NL	1,100	mg/kg	NA	NA	NA
1,2-Dichloroethane	NL	2.2	mg/kg	NA	NA	NA
1,2-Dichloropropane	NL	4.5	mg/kg	NA	NA	NA
2-Butanone	NL	200,000	mg/kg	NA	NA	NA
4-Methyl-2-Pentanone	NL	53,000	mg/kg	NA	NA	NA
Acetone	NL	630,000	mg/kg	NA	NA	NA
Benzene	NL	5.4	mg/kg	NA	NA	NA
Bromodichloromethane	NL	1.4	mg/kg	NA	NA	NA
Bromomethane	NL	32	mg/kg	NA	NA	NA
Carbon Disulfide	NL	3,700	mg/kg	NA	NA	NA
Carbon Tetrachloride	NL	3	mg/kg	NA	NA	NA
Chlorobenzene	NL	1,400	mg/kg	NA	NA	NA
Chlorodibromomethane	NL	3.3	mg/kg	NA	NA	NA
Chloroethane	NL	61,000	mg/kg	NA	NA	NA
Chloroform	NL	1.5	mg/kg	NA	NA	NA
Chloromethane	NL	500	mg/kg	NA	NA	NA
Cis-1,2-Dichloroethene	NL	10,000	mg/kg	NA	NA	NA
Cis-1,3-Dichloropropene	NL	NL	mg/kg	NA	NA	NA
Dichloromethane	NL	53	mg/kg	NA	NA	NA
Ethylbenzene	NL	27	mg/kg	NA	NA	NA

Table 4-1
Solid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-DB5	NSA-DB6	NSA-DB7
			Field Sample ID	NSA-DB5-110310	NSA-DB6-110310	NSA-DB7-110310
			Sample Date	11/3/2010	11/3/2010	11/3/2010
			Waste Type	Solid	Solid	Solid
Chemical Name	40 CFR ^a	U.S. EPA RSLs ^b	Unit			
Methyl N-Butyl Ketone	NL	1,400	mg/kg	NA	NA	NA
Methyl Tert-Butyl Ether	NL	220	mg/kg	NA	NA	NA
Methylbenzene	NL	45,000	mg/kg	NA	NA	NA
Styrene (Monomer)	NL	36,000	mg/kg	NA	NA	NA
Tetrachloroethene	NL	2.6	mg/kg	NA	NA	NA
Trans-1,2-Dichloroethene	NL	690	mg/kg	NA	NA	NA
Trans-1,3-Dichloropropene	NL	NL	mg/kg	NA	NA	NA
Tribromomethane	NL	220	mg/kg	NA	NA	NA
Trichloroethylene	NL	14	mg/kg	NA	NA	NA
Vinyl Chloride	NL	1.7	mg/kg	NA	NA	NA
Xylenes, Total	NL	2,700	mg/kg	NA	NA	NA

Notes:

Result exceeds 40 CFR screening criterion.

Result exceeds U.S. EPA RSL screening criterion.

°F = Degree Fahrenheit

CFR = *Code of Federal Regulations*

ID = Identification

J = Estimated value

mg/kg = Milligram per kilogram

mg/L = Milligram per liter

NA = Not analyzed

NL = Not listed

RSL = Regional Screening Level

S.U. = Standard unit

TAL = Target Analyte List

TCL = Target Compound List

TCPL = Toxicity Characteristic Leaching Procedure

U = Not detected; the associated numerical value is the reporting limit

U.S. EPA = United States Environmental Protection Agency

VOC = Volatile organic compound

a 40 CFR, Part 261

b U.S. EPA RSL - Industrial

Table 4-2
Liquid Waste Sample Analytical Results
Nutronics, Inc., Site Assessment
Springfield, Sangamon County, Illinois

			Location ID	NSA-VT2
			Field Sample ID	NSA-VT2-110310
			Sampling Date	11/3/2010
			Waste Type	Liquid
Chemical Name	40 CFR^a	U.S. EPA RSL^b	Unit	
Other Parameters				
Ignitability	<140	NL	°F	205
Cyanide	NL	730,000	mg/L	0.025 U
pH	2≤pH≤12	NL	S.U.	2 H
TAL Metals				
Aluminum	NL	37,000,000	mg/L	140
Antimony	NL	15,000	mg/L	1.8
Arsenic	NL	45	mg/L	0.5 U
Barium	NL	7,300,000	mg/L	0.5 U
Beryllium	NL	73,000	mg/L	0.25 U
Cadmium	NL	NL	mg/L	0.58
Calcium	NL	NL	mg/L	320
Chromium	NL	NL	mg/L	1.2
Cobalt	NL	11,000	mg/L	0.5 U
Copper	NL	1,500,000	mg/L	30,000
Iron	NL	26,000,000	mg/L	170
Lead	NL	NL	mg/L	4.4
Magnesium	NL	NL	mg/L	99
Manganese	NL	880,000	mg/L	1.5
Mercury	NL	570	mg/L	0.00075
Nickel	NL	730,000	mg/L	3.3
Potassium	NL	NL	mg/L	560
Selenium	NL	180,000	mg/L	0.5 U
Silver	NL	180,000	mg/L	0.5 U
Sodium	NL	NL	mg/L	190
Thallium	NL	NL	mg/L	0.25 U
Vanadium	NL	2,600	mg/L	0.5 U
Zinc	NL	11,000,000	mg/L	4.9

Notes:

Result exceeds 40 CFR screening criterion.

°F = Degree Fahrenheit

CFR = *Code of Federal Regulations*

H = Holding time exceeded

ID = Identification

mg/L = Milligram per liter

NL = Not listed

RSL = Regional Screening Level

S.U. = Standard unit

TAL = Target Analyte List

U = Not detected; the associated numerical value is the reporting limit

U.S. EPA = United States Environmental Protection Agency

a 40 CFR, Part 261

b U.S. EPA RSL - Industrial

APPENDIX A

PHOTOGRAPHIC DOCUMENTATION



Site: Nutronics, Inc.

Photograph No.: 1

Direction: Northeast

Subject: Site building located at 1703 Peoria Road in Springfield, Sangamon County, Illinois

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 2

Direction: Northwest

Subject: Site located in mixed residential and commercial neighborhood

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 3

Direction: Northwest

Subject: Brick wall in poor condition on east side of Site building

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 4

Direction: East

Subject: Various containers in chemical storage room

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 5

Direction: East

Subject: Evidence of past chemical spill in chemical storage room

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 6

Direction: South

Subject: Open floor drain in basement

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 7

Direction: South

Subject: Spills and staining in machine shop

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 8

Direction: Southwest

Subject: Plating vats in vat room

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 9

Direction: West

Subject: Evidence of spills and staining in vat room

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 10

Direction: Southeast

Subject: Suspected asbestos insulation in basement

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 11

Date: 11/3/10

Direction: South

Photographer: Jay Rauh

Subject: Water from leaky horizontal sidewalk door flows past this suspected spill area to open floor drains in basement; location of sample NSA-DB4-110110



Site: Nutronics, Inc.

Photograph No.: 12

Date: 11/3/10

Direction: East

Photographer: Jay Rauh

Subject: Gray powder near “shop-vac” in basement; location of sample NSA-DB5-110110



Site: Nutronics, Inc.

Photograph No.: 13

Direction: Northeast

Subject: Sink in machine shop that was part of thermoelectric plating process; location of sample NSA-VT3-110110

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 14

Direction: Southeast

Subject: Vat with dried blue residue in chemical storage room; location of sample NSA-DB2-110110

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 15

Date: 11/3/10

Direction: Not applicable (NA)

Photographer: Jay Rauh

Subject: 5-gallon plastic bucket labeled "HCL" in chemical storage room



Site: Nutronics, Inc.

Photograph No.: 16

Date: 11/3/10

Direction: Northeast

Photographer: Jon Colomb

Subject: Collection of sample NSA-DB4-110110 in basement



Site: Nutronics, Inc.

Photograph No.: 17

Direction: Southwest

Subject: Collection of sample NSA-VT3-110110 in machine shop

Date: 11/3/10

Photographer: Jon Colomb



Site: Nutronics, Inc.

Photograph No.: 18

Direction: Southeast

Subject: Collection of sample NSA-DB1-110110 in vat room

Date: 11/3/10

Photographer: Jon Colomb



Site: Nutronics, Inc.

Photograph No.: 19

Direction: Northwest

Subject: Metal plating scrap in scrap room; location of sample NSA-DB7-110310

Date: 11/3/10

Photographer: Jay Rauh



Site: Nutronics, Inc.

Photograph No.: 20

Direction: East

Subject: Plastic bag in office filled with degraded ceiling tiles; location of sample NSA-DB6-110310

Date: 11/3/10

Photographer: Jon Colomb

APPENDIX B
LABORATORY ANALYTICAL REPORT
AND DATA VALIDATION REPORT

**NUTRONICS SITE
SPRINGFIELD, ILLINOIS
DATA VALIDATION REPORT**

Date: December 2, 2010

Laboratory: STAT Analysis Corporation (STAT), Chicago, Illinois

Laboratory Project #: 10110182

Data Validation Performed By: Lisa Graczyk, Weston Solutions, Inc. (WESTON®) Superfund Technical Assessment and Response Team (START)

Weston Analytical Work Order #/TDD #: 20405.016.001.1188.00/S05-0001-1009-004

This data validation report has been prepared by WESTON START under the START III Region V contract. This report documents the data validation for 16 waste samples collected for the Nutronics Site that were analyzed for the following parameters and methods:

- Volatile Organic Compounds (VOC) by SW-846 Method 8260B
- Total Metals by SW-846 Methods 6020 and 7471A
- Toxicity Characteristic Leaching Procedure (TCLP) Metals by SW-846 Methods 1311, 6020, and 7470A
- Cyanide by SW-846 Method 9012A
- pH by SW-846 Method 9045C
- Flashpoint by SW-846 Method 1010
- Asbestos by Polarized Light Microscopy (PLM) using Method EPA600/M4-82-020

A level II data package was requested from STAT. The data validation was conducted in general accordance with the United States Environmental Protection Agency (U.S. EPA) "Contract Laboratory Program National Functional Guidance for Superfund Organic Methods Data Review" dated June 2008 and "Contract Laboratory Program National Functional Guidelines for Superfund Inorganic Data Review" dated January 2010. The Attachment contains the results summary sheets with the handwritten qualifiers applied during data validation.

The asbestos analysis is not applicable to data validation. The asbestos results are included in the attachment to this report.

VOCs BY SW-846 METHOD 8260B

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
NSA-MC1-110310	10110182-005	Liquid	11/3/2010	11/11/2010

2. Holding Times

The sample was analyzed within the required holding time limit of 14 days from sample collection.

3. Blanks

A method blank was analyzed with the VOC analysis. The method blank was free of target compound contamination above the reporting limit. Acetone and methylene chloride were detected below the reporting limit in the method blank. Because acetone and methylene chloride were not detected in the sample, no qualifications are required.

4. Surrogate Results

The surrogate recovery results were within the laboratory-established quality control (QC) limits.

5. Laboratory Control Sample (LCS) Results

The LCS and LCS duplicate (LCSD) recoveries and relative percent differences (RPD) were within the QC limits.

6. **Matrix Spike (MS) and Matrix Spike Duplicate (MSD) Results**

STAT did not analyze a site-specific MS and MSD with the samples. No qualification is applied for this omission.

7. **Overall Assessment**

The VOC data are acceptable for use based on the information received.

TOTAL AND TCLP METALS BY METHODS 1311, 6020, 7471A, AND 7470A

1. **Samples**

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed
NSA-DM1-110310	10110182-001	Liquid	11/3/2010	11/10/2010 – 11/24/2010
NSA-DM1-110310D	10110182-002	Liquid	11/3/2010	11/10/2010 – 11/24/2010
NSA-DB3-110310	10110182-003	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-DB3-110310D	10110182-004	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-MC1-110310	10110182-005	Liquid	11/3/2010	11/11/2010 – 11/12/2010
NSA-DB2-110310	10110182-006	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-DB1-110310	10110182-007	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-VT1-110310	10110182-008	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-VT2-110310	10110182-009	Liquid	11/3/2010	11/11/2010
NSA-DB4-110310	10110182-012	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-DB5-110310	10110182-013	Solid	11/3/2010	11/10/2010 – 11/12/2010
NSA-VT3-110310	10110182-014	Liquid	11/3/2010	11/11/2010 – 11/12/2010
NSA-DB7-110310	10110182-016	Solid	11/3/2010	11/11/2010 – 11/12/2010

2. **Holding Times**

The samples were analyzed within the required holding time limit of 28 days from sample collection to analysis for mercury and 180 days from sample collection to analysis for all other metals.

3. Blank Results

Method blanks were analyzed with the total and TCLP metals analysis and were free of target analyte contamination above the reporting limits. Several metals were detected below the reporting limit in the method blanks. However, the sample results were either non-detect or much greater in concentration than the blank concentrations. No qualifications were required.

4. LCS Results

The LCS recoveries were within the laboratory-established QC limits for target analytes.

On analysis date 11/11/2010, antimony was detected slightly high in the LCS. The detected antimony result was flagged "J" as estimated.

5. MS and MSD Results

STAT analyzed MS/MSD using site-specific samples as the spiked samples for the total mercury and TCLP metals analyses. The MS/MSD recoveries and RPDs were within the laboratory-established QC limits.

6. Field Duplicate Results

Sample NSA-DM1-110310D is a field duplicate of sample NSA-DM1-110310 and sample NSA-DB3-110310D is a field duplicate of sample NSA-DB3-110310. There are no QC limits for field duplicates established. However, RPDs for field duplicates are usually compared to a standard QC limit of 50 percent. The field duplicate RPDs were all lower than 50 except for barium in sample NSA-DB3-110110 which had an RPD of 52. The field duplicates generally had excellent correlation between the field duplicate and investigative samples.

7. Overall Assessment

The total and TCLP metals data are acceptable for use as qualified based on the information received.

GENERAL CHEMISTRY PARAMETERS (total cyanide by 9012A, pH by 9045C; and flashpoint by 1010)

1. Samples

The following table summarizes the samples for which this data validation is being conducted.

Samples	Lab ID	Matrix	Date Collected	Date Analyzed	Parameter Analyzed
NSA-DM1-110310	10110182-001	Liquid	11/3/2010	11/5/2010 – 11/11/2010	Cyanide, pH, Flashpoint
NSA-DM1-110310D	10110182-002	Liquid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH, Flashpoint
NSA-DB3-110310	10110182-003	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-DB3-110310D	10110182-004	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-MC1-110310	10110182-005	Liquid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH, Flashpoint
NSA-DB2-110310	10110182-006	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-DB1-110310	10110182-007	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-VT1-110310	10110182-008	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-VT2-110310	10110182-009	Liquid	11/3/2010	11/10/2010 – 11/15/2010	Cyanide, pH, Flashpoint
NSA-DM2-110310	10110182-010	Liquid	11/3/2010	11/8/2010	pH
NSA-MC2-110310	10110182-011	Liquid	11/3/2010	11/8/2010	pH
NSA-DB4-110310	10110182-012	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-DB5-110310	10110182-013	Solid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH
NSA-VT3-110310	10110182-014	Liquid	11/3/2010	11/8/2010 – 11/11/2010	Cyanide, pH, Flashpoint
NSA-DB7-110310	10110182-016	Solid	11/3/2010	11/9/2010 – 11/11/2010	Cyanide, pH

2. **Holding Times**

All holding times for cyanide, flashpoint, and pH were acceptable.

3. **Blank Results**

Method blanks were analyzed with the cyanide analysis. The blanks were free of target analyte contamination above the reporting limits.

4. **LCS Results**

An LCS was analyzed with the cyanide analyses. The results were within the laboratory-established QC limits.

5. **Laboratory Duplicates**

Laboratory duplicates were analyzed with the pH and flashpoint analyses. The laboratory duplicates were within QC limits for RPD.

6. **Field Duplicate Results**

Sample NSA-DM1-110310D is a field duplicate of sample NSA-DM1-110310 and sample NSA-DB3-110310D is a field duplicate of sample NSA-DB3-110310. There are no QC limits for field duplicates established. However, RPDs for field duplicates are usually compared to a standard QC limit of 50 percent. The field duplicate RPDs were all lower than 50 indicating an acceptable correlation between the field duplicate and investigative samples.

7. **Overall Assessment**

The cyanide, pH, and flashpoint data are acceptable for use based on the information received.

Data Validation Report
Nutronics Site
STAT Analysis Corporation
Laboratory Project #: 10110182

ATTACHMENT

STAT ANALYSIS CORPORATION RESULTS SUMMARY WITH QUALIFIERS

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-001A

Client Sample ID: NSA-DM1-110310
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.017		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	170		mg/Kg	100	11/11/2010
Antimony	ND	17		mg/Kg	100	11/11/2010
Arsenic	ND	8.4		mg/Kg	100	11/11/2010
Barium	ND	8.4		mg/Kg	100	11/11/2010
Beryllium	ND	4.2		mg/Kg	100	11/12/2010
Cadmium	ND	4.2		mg/Kg	100	11/11/2010
Calcium	ND	510		mg/Kg	100	11/11/2010
Chromium	ND	8.4		mg/Kg	100	11/11/2010
Cobalt	ND	8.4		mg/Kg	100	11/11/2010
Copper	ND	21		mg/Kg	100	11/11/2010
Iron	ND	250		mg/Kg	100	11/11/2010
Lead	34000	4.2		mg/Kg	100	11/11/2010
Magnesium	ND	250		mg/Kg	100	11/11/2010
Manganese	ND	8.4		mg/Kg	100	11/11/2010
Nickel	ND	8.4		mg/Kg	100	11/11/2010
Potassium	ND	250		mg/Kg	100	11/11/2010
Selenium	ND	8.4		mg/Kg	100	11/11/2010
Silver	ND	8.4		mg/Kg	100	11/11/2010
Sodium	19000	510		mg/Kg	100	11/11/2010
Thallium	ND	8.4		mg/Kg	100	11/11/2010
Vanadium	ND	8.4		mg/Kg	100	11/11/2010
Zinc	ND	42		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/24/2010 Analyst: JG
Arsenic	ND	5		mg/L	500	11/24/2010
Barium	ND	25		mg/L	500	11/24/2010
Cadmium	ND	2.5		mg/L	500	11/24/2010
Chromium	ND	5		mg/L	500	11/24/2010
Lead	21000	2.5		mg/L	500	11/24/2010
Selenium	ND	5		mg/L	500	11/24/2010
Silver	ND	5		mg/L	500	11/24/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-001A

Client Sample ID: NSA-DM1-110310
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Flash Point (Closed Cup) Flashpoint	SW1010 Flash at 205				Prep Date: 11/5/2010 °F 1	Analyst: RW 11/5/2010
pH (25 °C) pH	SW9045C <2.0				Prep Date: 11/8/2010 pH Units 1	Analyst: RW 11/8/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
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E - Value above quantitation range
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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-002A

Client Sample ID: NSA-DM1-110310D
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.015		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	ND	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	ND	580		mg/Kg	100	11/11/2010
Chromium	ND	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	ND	24		mg/Kg	100	11/11/2010
Iron	ND	290		mg/Kg	100	11/11/2010
Lead	35000	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	ND	9.7		mg/Kg	100	11/11/2010
Nickel	ND	9.7		mg/Kg	100	11/11/2010
Potassium	ND	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	19000	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	ND	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/24/2010 Analyst: JG
Arsenic	ND	5		mg/L	500	11/24/2010
Barium	ND	25		mg/L	500	11/24/2010
Cadmium	ND	2.5		mg/L	500	11/24/2010
Chromium	ND	5		mg/L	500	11/24/2010
Lead	14000	25		mg/L	5000	11/30/2010
Selenium	ND	5		mg/L	500	11/24/2010
Silver	ND	5		mg/L	500	11/24/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-002A

Client Sample ID: NSA-DM1-110310D
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Flash Point (Closed Cup)	SW1010					
Flashpoint	Flash at 201			°F	1	Prep Date: 11/10/2010 Analyst: RW 11/10/2010
pH (25 °C)	SW9045C					
pH	<2.0			pH Units	1	Prep Date: 11/8/2010 Analyst: RW 11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-003A

Client Sample ID: NSA-DB3-110310
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.00024	0.0002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.042	0.019		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	620	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	17	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	3100	580		mg/Kg	100	11/11/2010
Chromium	46	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	160000	2400		mg/Kg	10000	11/11/2010
Iron	1900	290		mg/Kg	100	11/11/2010
Lead	200	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	14	9.7		mg/Kg	100	11/11/2010
Nickel	42	9.7		mg/Kg	100	11/11/2010
Potassium	330	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	9500	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	100	49		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/9/2010 Analyst: JG
Arsenic	ND	0.01		mg/L	5	11/12/2010
Barium	0.26	0.05		mg/L	5	11/12/2010
Cadmium	ND	0.005		mg/L	5	11/12/2010
Chromium	ND	0.01		mg/L	5	11/12/2010
Lead	ND	0.005		mg/L	5	11/12/2010
Selenium	ND	0.01		mg/L	5	11/12/2010
Silver	ND	0.01		mg/L	5	11/12/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-003A

Client Sample ID: NSA-DB3-110310
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C					
pH	6.6			pH Units	1	11/8/2010

Prep Date: **11/8/2010** Analyst: **RW**

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-004A

Client Sample ID: NSA-DB3-110310D
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.026	0.019		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	800	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	ND	9.8		mg/Kg	100	11/11/2010
Barium	29	9.8		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	3200	590		mg/Kg	100	11/11/2010
Chromium	54	9.8		mg/Kg	100	11/11/2010
Cobalt	ND	9.8		mg/Kg	100	11/11/2010
Copper	190000	2500		mg/Kg	10000	11/11/2010
Iron	2800	290		mg/Kg	100	11/11/2010
Lead	180	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	16	9.8		mg/Kg	100	11/11/2010
Nickel	46	9.8		mg/Kg	100	11/11/2010
Potassium	350	290		mg/Kg	100	11/11/2010
Selenium	ND	9.8		mg/Kg	100	11/11/2010
Silver	ND	9.8		mg/Kg	100	11/11/2010
Sodium	6400	590		mg/Kg	100	11/11/2010
Thallium	ND	9.8		mg/Kg	100	11/11/2010
Vanadium	ND	9.8		mg/Kg	100	11/11/2010
Zinc	99	49		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/9/2010 Analyst: JG
Arsenic	ND	0.01		mg/L	5	11/11/2010
Barium	0.35	0.05		mg/L	5	11/11/2010
Cadmium	ND	0.005		mg/L	5	11/11/2010
Chromium	ND	0.01		mg/L	5	11/11/2010
Lead	ND	0.005		mg/L	5	11/11/2010
Selenium	ND	0.01		mg/L	5	11/11/2010
Silver	ND	0.01		mg/L	5	11/11/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-004A

Client Sample ID: NSA-DB3-110310D
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	6.8			pH Units	1	11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-005A

Client Sample ID: NSA-MC1-110310
Tag Number:
Collection Date: 11/3/2010 3:16:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	ND	10		mg/Kg	100	11/11/2010
Barium	ND	10		mg/Kg	100	11/11/2010
Beryllium	ND	5		mg/Kg	100	11/12/2010
Cadmium	ND	5		mg/Kg	100	11/11/2010
Calcium	ND	600		mg/Kg	100	11/11/2010
Chromium	ND	10		mg/Kg	100	11/11/2010
Cobalt	ND	10		mg/Kg	100	11/11/2010
Copper	37	25		mg/Kg	100	11/12/2010
Iron	ND	300		mg/Kg	100	11/11/2010
Lead	ND	5		mg/Kg	100	11/11/2010
Magnesium	ND	300		mg/Kg	100	11/11/2010
Manganese	ND	10		mg/Kg	100	11/11/2010
Nickel	ND	10		mg/Kg	100	11/11/2010
Potassium	ND	300		mg/Kg	100	11/11/2010
Selenium	ND	10		mg/Kg	100	11/11/2010
Silver	ND	10		mg/Kg	100	11/11/2010
Sodium	ND	600		mg/Kg	100	11/11/2010
Thallium	ND	10		mg/Kg	100	11/11/2010
Vanadium	ND	10		mg/Kg	100	11/11/2010
Zinc	ND	50		mg/Kg	100	11/11/2010

Volatile Organic Compounds by GC/MS	SW8260B					Prep Date: 11/10/2010 Analyst: PS
Acetone	ND	170		mg/Kg	500	11/11/2010
Benzene	ND	11		mg/Kg	500	11/11/2010
Bromodichloromethane	ND	11		mg/Kg	500	11/11/2010
Bromoform	ND	11		mg/Kg	500	11/11/2010
Bromomethane	ND	23		mg/Kg	500	11/11/2010
2-Butanone	ND	170		mg/Kg	500	11/11/2010
Carbon disulfide	ND	110		mg/Kg	500	11/11/2010
Carbon tetrachloride	ND	11		mg/Kg	500	11/11/2010
Chlorobenzene	ND	11		mg/Kg	500	11/11/2010
Chloroethane	ND	23		mg/Kg	500	11/11/2010
Chloroform	ND	11		mg/Kg	500	11/11/2010
Chloromethane	ND	23		mg/Kg	500	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-005A

Client Sample ID: NSA-MC1-110310
Tag Number:
Collection Date: 11/3/2010 3:16:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS**SW8260B**

Prep Date: 11/10/2010 Analyst: PS

Dibromochloromethane	ND	11		mg/Kg	500	11/11/2010
1,1-Dichloroethane	ND	11		mg/Kg	500	11/11/2010
1,2-Dichloroethane	ND	11		mg/Kg	500	11/11/2010
1,1-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
cis-1,2-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
trans-1,2-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
1,2-Dichloropropane	ND	11		mg/Kg	500	11/11/2010
cis-1,3-Dichloropropene	ND	4.6		mg/Kg	500	11/11/2010
trans-1,3-Dichloropropene	ND	4.6		mg/Kg	500	11/11/2010
Ethylbenzene	ND	11		mg/Kg	500	11/11/2010
2-Hexanone	ND	46		mg/Kg	500	11/11/2010
4-Methyl-2-pentanone	ND	46		mg/Kg	500	11/11/2010
Methylene chloride	ND	23		mg/Kg	500	11/11/2010
Methyl tert-butyl ether	ND	11		mg/Kg	500	11/11/2010
Styrene	ND	11		mg/Kg	500	11/11/2010
1,1,2,2-Tetrachloroethane	ND	11		mg/Kg	500	11/11/2010
Tetrachloroethene	ND	11		mg/Kg	500	11/11/2010
Toluene	ND	11		mg/Kg	500	11/11/2010
1,1,1-Trichloroethane	ND	11		mg/Kg	500	11/11/2010
1,1,2-Trichloroethane	ND	11		mg/Kg	500	11/11/2010
Trichloroethene	ND	11		mg/Kg	500	11/11/2010
Vinyl chloride	ND	11		mg/Kg	500	11/11/2010
Xylenes, Total	ND	34		mg/Kg	500	11/11/2010

Cyanide, Total**SW9012A**

Prep Date: 11/10/2010 Analyst: YZ

Cyanide	ND	0.25		mg/Kg	1	11/11/2010
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Flash Point (Closed Cup)**SW1010**

Prep Date: 11/10/2010 Analyst: RW

Flashpoint	Flash at 95			°F	1	11/10/2010
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pH (25 °C)**SW9045C**

Prep Date: 11/8/2010 Analyst: RW

pH	<2.0			pH Units	1	11/8/2010
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Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-006A

Client Sample ID: NSA-DB2-110310
Tag Number:
Collection Date: 11/3/2010 3:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	9000	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	39	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	41000	580		mg/Kg	100	11/11/2010
Chromium	23	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	45000	240		mg/Kg	1000	11/11/2010
Iron	6100	290		mg/Kg	100	11/11/2010
Lead	1400	4.9		mg/Kg	100	11/11/2010
Magnesium	5600	290		mg/Kg	100	11/11/2010
Manganese	270	9.7		mg/Kg	100	11/11/2010
Nickel	26	9.7		mg/Kg	100	11/11/2010
Potassium	8000	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	99000	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	190	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	0.019	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	0.25	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	2.9	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-006A

Client Sample ID: NSA-DB2-110310
Tag Number:
Collection Date: 11/3/2010 3:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	7.0			pH Units	1	11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-007A

Client Sample ID: NSA-DB1-110310
Tag Number:
Collection Date: 11/3/2010 3:53:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.058	0.017		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	10000	200		mg/Kg	100	11/11/2010
Antimony	24 J	20		mg/Kg	100	11/11/2010
Arsenic	ND	10		mg/Kg	100	11/12/2010
Barium	65	10		mg/Kg	100	11/11/2010
Beryllium	ND	5		mg/Kg	100	11/12/2010
Cadmium	ND	5		mg/Kg	100	11/11/2010
Calcium	32000	600		mg/Kg	100	11/11/2010
Chromium	160	10		mg/Kg	100	11/11/2010
Cobalt	ND	10		mg/Kg	100	11/11/2010
Copper	25000	250		mg/Kg	1000	11/11/2010
Iron	85000	300		mg/Kg	100	11/11/2010
Lead	1300	5		mg/Kg	100	11/11/2010
Magnesium	6000	300		mg/Kg	100	11/11/2010
Manganese	430	10		mg/Kg	100	11/11/2010
Nickel	83	10		mg/Kg	100	11/11/2010
Potassium	6600	300		mg/Kg	100	11/11/2010
Selenium	ND	10		mg/Kg	100	11/12/2010
Silver	ND	10		mg/Kg	100	11/11/2010
Sodium	20000	600		mg/Kg	100	11/11/2010
Thallium	ND	10		mg/Kg	100	11/11/2010
Vanadium	ND	10		mg/Kg	100	11/11/2010
Zinc	2000	50		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	0.14	0.012		mg/L	5	11/16/2010
Chromium	0.063	0.025		mg/L	5	11/16/2010
Lead	0.33	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-007A

Client Sample ID: NSA-DB1-110310
Tag Number:
Collection Date: 11/3/2010 3:53:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C					
pH	5.3			pH Units	1	11/8/2010

Prep Date: 11/8/2010 Analyst: RW

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-008A

Client Sample ID: NSA-VT1-110310
Tag Number:
Collection Date: 11/3/2010 3:32:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.3		mg/Kg	100	11/12/2010
Barium	ND	9.3		mg/Kg	100	11/11/2010
Beryllium	ND	4.6		mg/Kg	100	11/12/2010
Cadmium	ND	4.6		mg/Kg	100	11/11/2010
Calcium	ND	560		mg/Kg	100	11/11/2010
Chromium	ND	9.3		mg/Kg	100	11/11/2010
Cobalt	ND	9.3		mg/Kg	100	11/11/2010
Copper	24000	230		mg/Kg	1000	11/11/2010
Iron	ND	280		mg/Kg	100	11/11/2010
Lead	50	4.6		mg/Kg	100	11/11/2010
Magnesium	2200	280		mg/Kg	100	11/11/2010
Manganese	ND	9.3		mg/Kg	100	11/11/2010
Nickel	ND	9.3		mg/Kg	100	11/11/2010
Potassium	230000	280		mg/Kg	100	11/11/2010
Selenium	ND	9.3		mg/Kg	100	11/12/2010
Silver	ND	9.3		mg/Kg	100	11/11/2010
Sodium	120000	560		mg/Kg	100	11/11/2010
Thallium	ND	9.3		mg/Kg	100	11/11/2010
Vanadium	ND	9.3		mg/Kg	100	11/11/2010
Zinc	ND	46		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	ND	0.012		mg/L	5	11/16/2010
Chromium	0.089	0.025		mg/L	5	11/16/2010
Lead	0.87	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-008A

Client Sample ID: NSA-VT1-110310
Tag Number:
Collection Date: 11/3/2010 3:32:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	6.2			pH Units	1	11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-009A

Client Sample ID: NSA-VT2-110310
Tag Number:
Collection Date: 11/3/2010 4:05:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7470A					Prep Date: 11/11/2010 Analyst: LB
Mercury	0.00075	0.0006		mg/L	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3005A)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	140	5		mg/L	100	11/11/2010
Antimony	1.8	0.75		mg/L	100	11/11/2010
Arsenic	ND	0.5		mg/L	100	11/11/2010
Barium	ND	0.5		mg/L	100	11/11/2010
Beryllium	ND	0.25		mg/L	100	11/11/2010
Cadmium	0.58	0.25		mg/L	100	11/11/2010
Calcium	320	25		mg/L	100	11/11/2010
Chromium	1.2	0.5		mg/L	100	11/11/2010
Cobalt	ND	0.5		mg/L	100	11/11/2010
Copper	30000	620		mg/L	50000	11/11/2010
Iron	170	12		mg/L	100	11/11/2010
Lead	4.4	0.25		mg/L	100	11/11/2010
Magnesium	99	12		mg/L	100	11/11/2010
Manganese	1.5	0.5		mg/L	100	11/11/2010
Nickel	3.3	0.5		mg/L	100	11/11/2010
Potassium	560	12		mg/L	100	11/11/2010
Selenium	ND	0.5		mg/L	100	11/11/2010
Silver	ND	0.5		mg/L	100	11/11/2010
Sodium	190	75		mg/L	100	11/11/2010
Thallium	ND	0.25		mg/L	100	11/11/2010
Vanadium	ND	0.5		mg/L	100	11/11/2010
Zinc	4.9	2.5		mg/L	100	11/11/2010
Cyanide, Total	SW9012A					Prep Date: 11/15/2010 Analyst: YZ
Cyanide	ND	0.025		mg/L	1	11/15/2010
Flash Point (Closed Cup)	SW1010					Prep Date: 11/10/2010 Analyst: RW
Flashpoint	Flash at 205			°F	1	11/10/2010
pH	E150.1					Prep Date: 11/12/2010 Analyst: MNG
pH	<2		H*	pH units	1	11/12/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-010A

Client Sample ID: NSA-DM2-110310
Tag Number:
Collection Date: 11/3/2010 3:40:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	<2.0			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-011A

Client Sample ID: NSA-MC2-110310
Tag Number:
Collection Date: 11/3/2010 3:50:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	<2.0			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-012A

Client Sample ID: NSA-DB4-110310
Tag Number:
Collection Date: 11/3/2010 2:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.15	0.02		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	3000	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/12/2010
Barium	220	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	29000	580		mg/Kg	100	11/11/2010
Chromium	65	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	11000	240		mg/Kg	1000	11/11/2010
Iron	48000	290		mg/Kg	100	11/11/2010
Lead	9500	4.9		mg/Kg	100	11/11/2010
Magnesium	3100	290		mg/Kg	100	11/11/2010
Manganese	230	9.7		mg/Kg	100	11/11/2010
Nickel	36	9.7		mg/Kg	100	11/11/2010
Potassium	1900	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/12/2010
Silver	17	9.7		mg/Kg	100	11/11/2010
Sodium	ND	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	11	9.7		mg/Kg	100	11/11/2010
Zinc	280	49		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	0.3	0.12		mg/L	5	11/16/2010
Cadmium	ND	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	1.1	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-012A

Client Sample ID: NSA-DB4-110310
Tag Number:
Collection Date: 11/3/2010 2:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	7.2			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-013A

Client Sample ID: NSA-DB5-110310
Tag Number:
Collection Date: 11/3/2010 2:55:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.024	0.019		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	22000	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	34	9.9		mg/Kg	100	11/12/2010
Barium	150	9.9		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	55000	590		mg/Kg	100	11/11/2010
Chromium	25	9.9		mg/Kg	100	11/11/2010
Cobalt	ND	9.9		mg/Kg	100	11/11/2010
Copper	920	25		mg/Kg	100	11/11/2010
Iron	1300	300		mg/Kg	100	11/11/2010
Lead	180	4.9		mg/Kg	100	11/11/2010
Magnesium	940	300		mg/Kg	100	11/11/2010
Manganese	20	9.9		mg/Kg	100	11/11/2010
Nickel	ND	9.9		mg/Kg	100	11/11/2010
Potassium	320	300		mg/Kg	100	11/11/2010
Selenium	ND	9.9		mg/Kg	100	11/12/2010
Silver	ND	9.9		mg/Kg	100	11/11/2010
Sodium	1400	590		mg/Kg	100	11/11/2010
Thallium	ND	9.9		mg/Kg	100	11/11/2010
Vanadium	17	9.9		mg/Kg	100	11/11/2010
Zinc	ND	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	0.16	0.12		mg/L	5	11/16/2010
Cadmium	0.027	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	9.4	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-013A

Client Sample ID: NSA-DB5-110310
Tag Number:
Collection Date: 11/3/2010 2:55:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	8.7			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-014A

Client Sample ID: NSA-VT3-110310
Tag Number:
Collection Date: 11/3/2010 3:05:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.018		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	170		mg/Kg	100	11/11/2010
Antimony	ND	17		mg/Kg	100	11/11/2010
Arsenic	ND	8.7		mg/Kg	100	11/12/2010
Barium	ND	8.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.4		mg/Kg	100	11/12/2010
Cadmium	ND	4.4		mg/Kg	100	11/11/2010
Calcium	ND	520		mg/Kg	100	11/11/2010
Chromium	ND	8.7		mg/Kg	100	11/11/2010
Cobalt	17	8.7		mg/Kg	100	11/11/2010
Copper	ND	22		mg/Kg	100	11/11/2010
Iron	ND	260		mg/Kg	100	11/11/2010
Lead	ND	4.4		mg/Kg	100	11/11/2010
Magnesium	ND	260		mg/Kg	100	11/11/2010
Manganese	ND	8.7		mg/Kg	100	11/11/2010
Nickel	50000	870		mg/Kg	10000	11/11/2010
Potassium	ND	260		mg/Kg	100	11/11/2010
Selenium	ND	8.7		mg/Kg	100	11/12/2010
Silver	ND	8.7		mg/Kg	100	11/11/2010
Sodium	ND	520		mg/Kg	100	11/11/2010
Thallium	ND	8.7		mg/Kg	100	11/11/2010
Vanadium	ND	8.7		mg/Kg	100	11/11/2010
Zinc	110	44		mg/Kg	100	11/11/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Flash Point (Closed Cup)	SW1010					Prep Date: 11/10/2010 Analyst: RW
Flashpoint	Flash at 205			°F	1	11/10/2010

pH (25 °C)	SW9045C					Prep Date: 11/8/2010 Analyst: RW
pH	6.6			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-015A

Client Sample ID: NSA-DB6-110310
Tag Number:
Collection Date: 11/3/2010 4:17:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Asbestos by Polarized Light Microscopy (PLM)	EPA600/M4-82-020				Prep Date:	Analyst: HR
Asbestos	ND			%		11/10/2010
Binder	75-80			%		11/10/2010
Cellulose	20-25			%		11/10/2010
Color	Brown					11/10/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-016A

Client Sample ID: NSA-DB7-110310
Tag Number:
Collection Date: 11/3/2010 4:13:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.018		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	2200	260		mg/Kg	100	11/11/2010
Antimony	ND	26		mg/Kg	100	11/11/2010
Arsenic	17	13		mg/Kg	100	11/12/2010
Barium	ND	13		mg/Kg	100	11/11/2010
Beryllium	ND	6.5		mg/Kg	100	11/12/2010
Cadmium	ND	6.5		mg/Kg	100	11/11/2010
Calcium	5500	780		mg/Kg	100	11/11/2010
Chromium	ND	13		mg/Kg	100	11/11/2010
Cobalt	ND	13		mg/Kg	100	11/11/2010
Copper	110000	3200		mg/Kg	10000	11/11/2010
Iron	ND	390		mg/Kg	100	11/11/2010
Lead	ND	6.5		mg/Kg	100	11/11/2010
Magnesium	ND	390		mg/Kg	100	11/11/2010
Manganese	ND	13		mg/Kg	100	11/11/2010
Nickel	27	13		mg/Kg	100	11/11/2010
Potassium	ND	390		mg/Kg	100	11/11/2010
Selenium	ND	13		mg/Kg	100	11/12/2010
Silver	ND	13		mg/Kg	100	11/11/2010
Sodium	ND	780		mg/Kg	100	11/11/2010
Thallium	ND	13		mg/Kg	100	11/11/2010
Vanadium	ND	13		mg/Kg	100	11/11/2010
Zinc	ND	65		mg/Kg	100	11/11/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

pH (25 °C)	SW9045C					Prep Date: 11/9/2010 Analyst: RW
pH	6.4			pH Units	1	11/9/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202-0

December 01, 2010

Weston Solutions
20 North Wacker Drive
Suite 1210
Chicago, IL 60606
Telephone: (312) 424-3339
Fax: (312) 424-3330

RE: Nutronics SA, Springfield

STAT Project No 10110182

Dear Lisa Graczyk:

STAT Analysis received 16 samples for the referenced project on 11/4/2010 1:16:00 PM. The analytical results are presented in the following report.

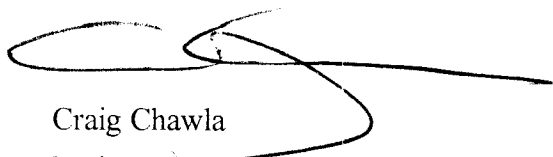
This report is revised to reflect changes made after the initial report was issued.

All analyses were performed in accordance with the requirements of 35 IAC part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,



Craig Chawla
Project Manager

The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone. This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory.

Client: Weston Solutions
Project: Nutronics SA, Springfield
Lab Order: 10110182

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Tag Number	Collection Date	Date Received
10110182-001A	NSA-DM1-110310		11/3/2010 3:22:00 PM	11/4/2010
10110182-002A	NSA-DM1-110310D		11/3/2010 3:22:00 PM	11/4/2010
10110182-003A	NSA-DB3-110310		11/3/2010 3:10:00 PM	11/4/2010
10110182-004A	NSA-DB3-110310D		11/3/2010 3:10:00 PM	11/4/2010
10110182-005A	NSA-MC1-110310		11/3/2010 3:16:00 PM	11/4/2010
10110182-006A	NSA-DB2-110310		11/3/2010 3:57:00 PM	11/4/2010
10110182-007A	NSA-DB1-110310		11/3/2010 3:53:00 PM	11/4/2010
10110182-008A	NSA-VT1-110310		11/3/2010 3:32:00 PM	11/4/2010
10110182-009A	NSA-VT2-110310		11/3/2010 4:05:00 PM	11/4/2010
10110182-010A	NSA-DM2-110310		11/3/2010 3:40:00 PM	11/4/2010
10110182-011A	NSA-MC2-110310		11/3/2010 3:50:00 PM	11/4/2010
10110182-012A	NSA-DB4-110310		11/3/2010 2:57:00 PM	11/4/2010
10110182-013A	NSA-DB5-110310		11/3/2010 2:55:00 PM	11/4/2010
10110182-014A	NSA-VT3-110310		11/3/2010 3:05:00 PM	11/4/2010
10110182-015A	NSA-DB6-110310		11/3/2010 4:17:00 PM	11/4/2010
10110182-016A	NSA-DB7-110310		11/3/2010 4:13:00 PM	11/4/2010

CLIENT: Weston Solutions
Project: Nutronics SA, Springfield
Lab Order: 10110182

CASE NARRATIVE

The metals LCS (preparation batch 52780) had recovery outside of control limits for Antimony (174% recovery, QC Limits 80-120%).

The metals LCS (preparation batch 52794) had recovery outside of control limits for Antimony (133% recovery, QC Limits 80-120%).

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-001A

Client Sample ID: NSA-DM1-110310
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.017		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	170		mg/Kg	100	11/11/2010
Antimony	ND	17		mg/Kg	100	11/11/2010
Arsenic	ND	8.4		mg/Kg	100	11/11/2010
Barium	ND	8.4		mg/Kg	100	11/11/2010
Beryllium	ND	4.2		mg/Kg	100	11/12/2010
Cadmium	ND	4.2		mg/Kg	100	11/11/2010
Calcium	ND	510		mg/Kg	100	11/11/2010
Chromium	ND	8.4		mg/Kg	100	11/11/2010
Cobalt	ND	8.4		mg/Kg	100	11/11/2010
Copper	ND	21		mg/Kg	100	11/11/2010
Iron	ND	250		mg/Kg	100	11/11/2010
Lead	34000	4.2		mg/Kg	100	11/11/2010
Magnesium	ND	250		mg/Kg	100	11/11/2010
Manganese	ND	8.4		mg/Kg	100	11/11/2010
Nickel	ND	8.4		mg/Kg	100	11/11/2010
Potassium	ND	250		mg/Kg	100	11/11/2010
Selenium	ND	8.4		mg/Kg	100	11/11/2010
Silver	ND	8.4		mg/Kg	100	11/11/2010
Sodium	19000	510		mg/Kg	100	11/11/2010
Thallium	ND	8.4		mg/Kg	100	11/11/2010
Vanadium	ND	8.4		mg/Kg	100	11/11/2010
Zinc	ND	42		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/24/2010 Analyst: JG
Arsenic	ND	5		mg/L	500	11/24/2010
Barium	ND	25		mg/L	500	11/24/2010
Cadmium	ND	2.5		mg/L	500	11/24/2010
Chromium	ND	5		mg/L	500	11/24/2010
Lead	21000	2.5		mg/L	500	11/24/2010
Selenium	ND	5		mg/L	500	11/24/2010
Silver	ND	5		mg/L	500	11/24/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:	ND - Not Detected at the Reporting Limit	RL - Reporting / Quantitation Limit for the analysis
	J - Analyte detected below quantitation limits	S - Spike Recovery outside accepted recovery limits
	B - Analyte detected in the associated Method Blank	R - RPD outside accepted recovery limits
	HT - Sample received past holding time	E - Value above quantitation range
	* - Non-accredited parameter	H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-001A

Client Sample ID: NSA-DM1-110310
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Flash Point (Closed Cup)	SW1010					
Flashpoint	Flash at 205			°F	1	Prep Date: 11/5/2010 Analyst: RW 11/5/2010
pH (25 °C)	SW9045C					
pH	<2.0			pH Units	1	Prep Date: 11/8/2010 Analyst: RW 11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-002A

Client Sample ID: NSA-DM1-110310D
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.015		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	ND	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	ND	580		mg/Kg	100	11/11/2010
Chromium	ND	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	ND	24		mg/Kg	100	11/11/2010
Iron	ND	290		mg/Kg	100	11/11/2010
Lead	35000	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	ND	9.7		mg/Kg	100	11/11/2010
Nickel	ND	9.7		mg/Kg	100	11/11/2010
Potassium	ND	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	19000	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	ND	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/24/2010 Analyst: JG
Arsenic	ND	5		mg/L	500	11/24/2010
Barium	ND	25		mg/L	500	11/24/2010
Cadmium	ND	2.5		mg/L	500	11/24/2010
Chromium	ND	5		mg/L	500	11/24/2010
Lead	14000	25		mg/L	5000	11/30/2010
Selenium	ND	5		mg/L	500	11/24/2010
Silver	ND	5		mg/L	500	11/24/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-002A

Client Sample ID: NSA-DM1-110310D
Tag Number:
Collection Date: 11/3/2010 3:22:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Flash Point (Closed Cup) Flashpoint	SW1010 Flash at 201				Prep Date: 11/10/2010 °F 1	Analyst: RW 11/10/2010
pH (25 °C) pH	SW9045C <2.0				Prep Date: 11/8/2010 pH Units 1	Analyst: RW 11/8/2010

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-003A

Client Sample ID: NSA-DB3-110310
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.00024	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.042	0.019		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	620	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	17	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	3100	580		mg/Kg	100	11/11/2010
Chromium	46	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	160000	2400		mg/Kg	10000	11/11/2010
Iron	1900	290		mg/Kg	100	11/11/2010
Lead	200	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	14	9.7		mg/Kg	100	11/11/2010
Nickel	42	9.7		mg/Kg	100	11/11/2010
Potassium	330	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	9500	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	100	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/9/2010 Analyst: JG
Arsenic	ND	0.01		mg/L	5	11/12/2010
Barium	0.26	0.05		mg/L	5	11/12/2010
Cadmium	ND	0.005		mg/L	5	11/12/2010
Chromium	ND	0.01		mg/L	5	11/12/2010
Lead	ND	0.005		mg/L	5	11/12/2010
Selenium	ND	0.01		mg/L	5	11/12/2010
Silver	ND	0.01		mg/L	5	11/12/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-003A

Client Sample ID: NSA-DB3-110310
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	6.6			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-004A

Client Sample ID: NSA-DB3-110310D
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010

Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.026	0.019		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	800	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	ND	9.8		mg/Kg	100	11/11/2010
Barium	29	9.8		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	3200	590		mg/Kg	100	11/11/2010
Chromium	54	9.8		mg/Kg	100	11/11/2010
Cobalt	ND	9.8		mg/Kg	100	11/11/2010
Copper	190000	2500		mg/Kg	10000	11/11/2010
Iron	2800	290		mg/Kg	100	11/11/2010
Lead	180	4.9		mg/Kg	100	11/11/2010
Magnesium	ND	290		mg/Kg	100	11/11/2010
Manganese	16	9.8		mg/Kg	100	11/11/2010
Nickel	46	9.8		mg/Kg	100	11/11/2010
Potassium	350	290		mg/Kg	100	11/11/2010
Selenium	ND	9.8		mg/Kg	100	11/11/2010
Silver	ND	9.8		mg/Kg	100	11/11/2010
Sodium	6400	590		mg/Kg	100	11/11/2010
Thallium	ND	9.8		mg/Kg	100	11/11/2010
Vanadium	ND	9.8		mg/Kg	100	11/11/2010
Zinc	99	49		mg/Kg	100	11/11/2010

TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/9/2010 Analyst: JG
Arsenic	ND	0.01		mg/L	5	11/11/2010
Barium	0.35	0.05		mg/L	5	11/11/2010
Cadmium	ND	0.005		mg/L	5	11/11/2010
Chromium	ND	0.01		mg/L	5	11/11/2010
Lead	ND	0.005		mg/L	5	11/11/2010
Selenium	ND	0.01		mg/L	5	11/11/2010
Silver	ND	0.01		mg/L	5	11/11/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-004A

Client Sample ID: NSA-DB3-110310D
Tag Number:
Collection Date: 11/3/2010 3:10:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C					
pH	6.8			pH Units	1	11/8/2010

Prep Date: 11/8/2010 Analyst: RW

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-005A

Client Sample ID: NSA-MC1-110310
Tag Number:
Collection Date: 11/3/2010 3:16:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	ND	10		mg/Kg	100	11/11/2010
Barium	ND	10		mg/Kg	100	11/11/2010
Beryllium	ND	5		mg/Kg	100	11/12/2010
Cadmium	ND	5		mg/Kg	100	11/11/2010
Calcium	ND	600		mg/Kg	100	11/11/2010
Chromium	ND	10		mg/Kg	100	11/11/2010
Cobalt	ND	10		mg/Kg	100	11/11/2010
Copper	37	25		mg/Kg	100	11/12/2010
Iron	ND	300		mg/Kg	100	11/11/2010
Lead	ND	5		mg/Kg	100	11/11/2010
Magnesium	ND	300		mg/Kg	100	11/11/2010
Manganese	ND	10		mg/Kg	100	11/11/2010
Nickel	ND	10		mg/Kg	100	11/11/2010
Potassium	ND	300		mg/Kg	100	11/11/2010
Selenium	ND	10		mg/Kg	100	11/11/2010
Silver	ND	10		mg/Kg	100	11/11/2010
Sodium	ND	600		mg/Kg	100	11/11/2010
Thallium	ND	10		mg/Kg	100	11/11/2010
Vanadium	ND	10		mg/Kg	100	11/11/2010
Zinc	ND	50		mg/Kg	100	11/11/2010

Volatile Organic Compounds by GC/MS	SW8260B					Prep Date: 11/10/2010 Analyst: PS
Acetone	ND	170		mg/Kg	500	11/11/2010
Benzene	ND	11		mg/Kg	500	11/11/2010
Bromodichloromethane	ND	11		mg/Kg	500	11/11/2010
Bromoform	ND	11		mg/Kg	500	11/11/2010
Bromomethane	ND	23		mg/Kg	500	11/11/2010
2-Butanone	ND	170		mg/Kg	500	11/11/2010
Carbon disulfide	ND	110		mg/Kg	500	11/11/2010
Carbon tetrachloride	ND	11		mg/Kg	500	11/11/2010
Chlorobenzene	ND	11		mg/Kg	500	11/11/2010
Chloroethane	ND	23		mg/Kg	500	11/11/2010
Chloroform	ND	11		mg/Kg	500	11/11/2010
Chloromethane	ND	23		mg/Kg	500	11/11/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-005A

Client Sample ID: NSA-MC1-110310
Tag Number:
Collection Date: 11/3/2010 3:16:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Volatile Organic Compounds by GC/MS**SW8260B**

Prep Date: 11/10/2010 Analyst: PS

Dibromochloromethane	ND	11		mg/Kg	500	11/11/2010
1,1-Dichloroethane	ND	11		mg/Kg	500	11/11/2010
1,2-Dichloroethane	ND	11		mg/Kg	500	11/11/2010
1,1-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
cis-1,2-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
trans-1,2-Dichloroethene	ND	11		mg/Kg	500	11/11/2010
1,2-Dichloropropane	ND	11		mg/Kg	500	11/11/2010
cis-1,3-Dichloropropene	ND	4.6		mg/Kg	500	11/11/2010
trans-1,3-Dichloropropene	ND	4.6		mg/Kg	500	11/11/2010
Ethylbenzene	ND	11		mg/Kg	500	11/11/2010
2-Hexanone	ND	46		mg/Kg	500	11/11/2010
4-Methyl-2-pentanone	ND	46		mg/Kg	500	11/11/2010
Methylene chloride	ND	23		mg/Kg	500	11/11/2010
Methyl tert-butyl ether	ND	11		mg/Kg	500	11/11/2010
Styrene	ND	11		mg/Kg	500	11/11/2010
1,1,2,2-Tetrachloroethane	ND	11		mg/Kg	500	11/11/2010
Tetrachloroethene	ND	11		mg/Kg	500	11/11/2010
Toluene	ND	11		mg/Kg	500	11/11/2010
1,1,1-Trichloroethane	ND	11		mg/Kg	500	11/11/2010
1,1,2-Trichloroethane	ND	11		mg/Kg	500	11/11/2010
Trichloroethene	ND	11		mg/Kg	500	11/11/2010
Vinyl chloride	ND	11		mg/Kg	500	11/11/2010
Xylenes, Total	ND	34		mg/Kg	500	11/11/2010

Cyanide, Total**SW9012A**

Prep Date: 11/10/2010 Analyst: YZ

Cyanide	ND	0.25		mg/Kg	1	11/11/2010
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Flash Point (Closed Cup)**SW1010**

Prep Date: 11/10/2010 Analyst: RW

Flashpoint	Flash at 95			°F	1	11/10/2010
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pH (25 °C)**SW9045C**

Prep Date: 11/8/2010 Analyst: RW

pH	<2.0			pH Units	1	11/8/2010
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Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-006A

Client Sample ID: NSA-DB2-110310
Tag Number:
Collection Date: 11/3/2010 3:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	9000	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/11/2010
Barium	39	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	41000	580		mg/Kg	100	11/11/2010
Chromium	23	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	45000	240		mg/Kg	1000	11/11/2010
Iron	6100	290		mg/Kg	100	11/11/2010
Lead	1400	4.9		mg/Kg	100	11/11/2010
Magnesium	5600	290		mg/Kg	100	11/11/2010
Manganese	270	9.7		mg/Kg	100	11/11/2010
Nickel	26	9.7		mg/Kg	100	11/11/2010
Potassium	8000	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/11/2010
Silver	ND	9.7		mg/Kg	100	11/11/2010
Sodium	99000	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	ND	9.7		mg/Kg	100	11/11/2010
Zinc	190	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	0.019	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	0.25	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	2.9	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-006A

Client Sample ID: NSA-DB2-110310
Tag Number:
Collection Date: 11/3/2010 3:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C					
pH	7.0			pH Units	1	

Prep Date: **11/8/2010** Analyst: **RW**
11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-007A

Client Sample ID: NSA-DB1-110310
Tag Number:
Collection Date: 11/3/2010 3:53:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.058	0.017		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	10000	200		mg/Kg	100	11/11/2010
Antimony	24	20		mg/Kg	100	11/11/2010
Arsenic	ND	10		mg/Kg	100	11/12/2010
Barium	65	10		mg/Kg	100	11/11/2010
Beryllium	ND	5		mg/Kg	100	11/12/2010
Cadmium	ND	5		mg/Kg	100	11/11/2010
Calcium	32000	600		mg/Kg	100	11/11/2010
Chromium	160	10		mg/Kg	100	11/11/2010
Cobalt	ND	10		mg/Kg	100	11/11/2010
Copper	25000	250		mg/Kg	1000	11/11/2010
Iron	85000	300		mg/Kg	100	11/11/2010
Lead	1300	5		mg/Kg	100	11/11/2010
Magnesium	6000	300		mg/Kg	100	11/11/2010
Manganese	430	10		mg/Kg	100	11/11/2010
Nickel	83	10		mg/Kg	100	11/11/2010
Potassium	6600	300		mg/Kg	100	11/11/2010
Selenium	ND	10		mg/Kg	100	11/12/2010
Silver	ND	10		mg/Kg	100	11/11/2010
Sodium	20000	600		mg/Kg	100	11/11/2010
Thallium	ND	10		mg/Kg	100	11/11/2010
Vanadium	ND	10		mg/Kg	100	11/11/2010
Zinc	2000	50		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	0.14	0.012		mg/L	5	11/16/2010
Chromium	0.063	0.025		mg/L	5	11/16/2010
Lead	0.33	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-007A

Client Sample ID: NSA-DB1-110310
Tag Number:
Collection Date: 11/3/2010 3:53:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	5.3			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-008A

Client Sample ID: NSA-VT1-110310
Tag Number:
Collection Date: 11/3/2010 3:32:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.02		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.3		mg/Kg	100	11/12/2010
Barium	ND	9.3		mg/Kg	100	11/11/2010
Beryllium	ND	4.6		mg/Kg	100	11/12/2010
Cadmium	ND	4.6		mg/Kg	100	11/11/2010
Calcium	ND	560		mg/Kg	100	11/11/2010
Chromium	ND	9.3		mg/Kg	100	11/11/2010
Cobalt	ND	9.3		mg/Kg	100	11/11/2010
Copper	24000	230		mg/Kg	1000	11/11/2010
Iron	ND	280		mg/Kg	100	11/11/2010
Lead	50	4.6		mg/Kg	100	11/11/2010
Magnesium	2200	280		mg/Kg	100	11/11/2010
Manganese	ND	9.3		mg/Kg	100	11/11/2010
Nickel	ND	9.3		mg/Kg	100	11/11/2010
Potassium	230000	280		mg/Kg	100	11/11/2010
Selenium	ND	9.3		mg/Kg	100	11/12/2010
Silver	ND	9.3		mg/Kg	100	11/11/2010
Sodium	120000	560		mg/Kg	100	11/11/2010
Thallium	ND	9.3		mg/Kg	100	11/11/2010
Vanadium	ND	9.3		mg/Kg	100	11/11/2010
Zinc	ND	46		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	ND	0.12		mg/L	5	11/16/2010
Cadmium	ND	0.012		mg/L	5	11/16/2010
Chromium	0.089	0.025		mg/L	5	11/16/2010
Lead	0.87	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-008A

Client Sample ID: NSA-VT1-110310
Tag Number:
Collection Date: 11/3/2010 3:32:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	6.2			pH Units	1	11/8/2010

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-009A

Client Sample ID: NSA-VT2-110310
Tag Number:
Collection Date: 11/3/2010 4:05:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7470A					Prep Date: 11/11/2010 Analyst: LB
Mercury	0.00075	0.0006		mg/L	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3005A)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	140	5		mg/L	100	11/11/2010
Antimony	1.8	0.75		mg/L	100	11/11/2010
Arsenic	ND	0.5		mg/L	100	11/11/2010
Barium	ND	0.5		mg/L	100	11/11/2010
Beryllium	ND	0.25		mg/L	100	11/11/2010
Cadmium	0.58	0.25		mg/L	100	11/11/2010
Calcium	320	25		mg/L	100	11/11/2010
Chromium	1.2	0.5		mg/L	100	11/11/2010
Cobalt	ND	0.5		mg/L	100	11/11/2010
Copper	30000	620		mg/L	50000	11/11/2010
Iron	170	12		mg/L	100	11/11/2010
Lead	4.4	0.25		mg/L	100	11/11/2010
Magnesium	99	12		mg/L	100	11/11/2010
Manganese	1.5	0.5		mg/L	100	11/11/2010
Nickel	3.3	0.5		mg/L	100	11/11/2010
Potassium	560	12		mg/L	100	11/11/2010
Selenium	ND	0.5		mg/L	100	11/11/2010
Silver	ND	0.5		mg/L	100	11/11/2010
Sodium	190	75		mg/L	100	11/11/2010
Thallium	ND	0.25		mg/L	100	11/11/2010
Vanadium	ND	0.5		mg/L	100	11/11/2010
Zinc	4.9	2.5		mg/L	100	11/11/2010
Cyanide, Total	SW9012A					Prep Date: 11/15/2010 Analyst: YZ
Cyanide	ND	0.025		mg/L	1	11/15/2010
Flash Point (Closed Cup)	SW1010					Prep Date: 11/10/2010 Analyst: RW
Flashpoint	Flash at 205			°F	1	11/10/2010
pH	E150.1					Prep Date: 11/12/2010 Analyst: MNG
pH	<2		H*	pH units	1	11/12/2010

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

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Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-010A

Client Sample ID: NSA-DM2-110310
Tag Number:
Collection Date: 11/3/2010 3:40:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	<2.0			pH Units	1	11/8/2010

Qualifiers:

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- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-011A

Client Sample ID: NSA-MC2-110310
Tag Number:
Collection Date: 11/3/2010 3:50:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	<2.0			pH Units	1	11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-012A

Client Sample ID: NSA-DB4-110310
Tag Number:
Collection Date: 11/3/2010 2:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.15	0.02		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	3000	190		mg/Kg	100	11/11/2010
Antimony	ND	19		mg/Kg	100	11/11/2010
Arsenic	ND	9.7		mg/Kg	100	11/12/2010
Barium	220	9.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	29000	580		mg/Kg	100	11/11/2010
Chromium	65	9.7		mg/Kg	100	11/11/2010
Cobalt	ND	9.7		mg/Kg	100	11/11/2010
Copper	11000	240		mg/Kg	1000	11/11/2010
Iron	48000	290		mg/Kg	100	11/11/2010
Lead	9500	4.9		mg/Kg	100	11/11/2010
Magnesium	3100	290		mg/Kg	100	11/11/2010
Manganese	230	9.7		mg/Kg	100	11/11/2010
Nickel	36	9.7		mg/Kg	100	11/11/2010
Potassium	1900	290		mg/Kg	100	11/11/2010
Selenium	ND	9.7		mg/Kg	100	11/12/2010
Silver	17	9.7		mg/Kg	100	11/11/2010
Sodium	ND	580		mg/Kg	100	11/11/2010
Thallium	ND	9.7		mg/Kg	100	11/11/2010
Vanadium	11	9.7		mg/Kg	100	11/11/2010
Zinc	280	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	0.3	0.12		mg/L	5	11/16/2010
Cadmium	ND	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	1.1	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-012A

Client Sample ID: NSA-DB4-110310
Tag Number:
Collection Date: 11/3/2010 2:57:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C					
pH	7.2			pH Units	1	11/8/2010

Prep Date: **11/8/2010** Analyst: **RW**

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
- S - Spike Recovery outside accepted recovery limits
- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

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Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-013A

Client Sample ID: NSA-DB5-110310
Tag Number:
Collection Date: 11/3/2010 2:55:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
TCLP Mercury	SW1311/7470A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.0002		mg/L	1	11/10/2010
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	0.024	0.019		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	22000	200		mg/Kg	100	11/11/2010
Antimony	ND	20		mg/Kg	100	11/11/2010
Arsenic	34	9.9		mg/Kg	100	11/12/2010
Barium	150	9.9		mg/Kg	100	11/11/2010
Beryllium	ND	4.9		mg/Kg	100	11/12/2010
Cadmium	ND	4.9		mg/Kg	100	11/11/2010
Calcium	55000	590		mg/Kg	100	11/11/2010
Chromium	25	9.9		mg/Kg	100	11/11/2010
Cobalt	ND	9.9		mg/Kg	100	11/11/2010
Copper	920	25		mg/Kg	100	11/11/2010
Iron	1300	300		mg/Kg	100	11/11/2010
Lead	180	4.9		mg/Kg	100	11/11/2010
Magnesium	940	300		mg/Kg	100	11/11/2010
Manganese	20	9.9		mg/Kg	100	11/11/2010
Nickel	ND	9.9		mg/Kg	100	11/11/2010
Potassium	320	300		mg/Kg	100	11/11/2010
Selenium	ND	9.9		mg/Kg	100	11/12/2010
Silver	ND	9.9		mg/Kg	100	11/11/2010
Sodium	1400	590		mg/Kg	100	11/11/2010
Thallium	ND	9.9		mg/Kg	100	11/11/2010
Vanadium	17	9.9		mg/Kg	100	11/11/2010
Zinc	ND	49		mg/Kg	100	11/11/2010
TCLP Metals by ICP/MS	SW1311/6020 (SW3005A)					Prep Date: 11/15/2010 Analyst: JG
Arsenic	ND	0.025		mg/L	5	11/16/2010
Barium	0.16	0.12		mg/L	5	11/16/2010
Cadmium	0.027	0.012		mg/L	5	11/16/2010
Chromium	ND	0.025		mg/L	5	11/16/2010
Lead	9.4	0.012		mg/L	5	11/16/2010
Selenium	ND	0.025		mg/L	5	11/16/2010
Silver	ND	0.025		mg/L	5	11/16/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
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 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-013A

Client Sample ID: NSA-DB5-110310
Tag Number:
Collection Date: 11/3/2010 2:55:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
pH (25 °C)	SW9045C				Prep Date: 11/8/2010	Analyst: RW
pH	8.7			pH Units	1	11/8/2010

Qualifiers:

- ND - Not Detected at the Reporting Limit
- J - Analyte detected below quantitation limits
- B - Analyte detected in the associated Method Blank
- HT - Sample received past holding time
- * - Non-accredited parameter

- RL - Reporting / Quantitation Limit for the analysis
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- R - RPD outside accepted recovery limits
- E - Value above quantitation range
- H - Holding time exceeded

STAT Analysis Corporation

2242 West Harrison St., Suite 200, Chicago, IL 60612-3766

Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-014A

Client Sample ID: NSA-VT3-110310
Tag Number:
Collection Date: 11/3/2010 3:05:00 PM
Matrix: Liquid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.018		mg/Kg	1	11/11/2010

Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	ND	170		mg/Kg	100	11/11/2010
Antimony	ND	17		mg/Kg	100	11/11/2010
Arsenic	ND	8.7		mg/Kg	100	11/12/2010
Barium	ND	8.7		mg/Kg	100	11/11/2010
Beryllium	ND	4.4		mg/Kg	100	11/12/2010
Cadmium	ND	4.4		mg/Kg	100	11/11/2010
Calcium	ND	520		mg/Kg	100	11/11/2010
Chromium	ND	8.7		mg/Kg	100	11/11/2010
Cobalt	17	8.7		mg/Kg	100	11/11/2010
Copper	ND	22		mg/Kg	100	11/11/2010
Iron	ND	260		mg/Kg	100	11/11/2010
Lead	ND	4.4		mg/Kg	100	11/11/2010
Magnesium	ND	260		mg/Kg	100	11/11/2010
Manganese	ND	8.7		mg/Kg	100	11/11/2010
Nickel	50000	870		mg/Kg	10000	11/11/2010
Potassium	ND	260		mg/Kg	100	11/11/2010
Selenium	ND	8.7		mg/Kg	100	11/12/2010
Silver	ND	8.7		mg/Kg	100	11/11/2010
Sodium	ND	520		mg/Kg	100	11/11/2010
Thallium	ND	8.7		mg/Kg	100	11/11/2010
Vanadium	ND	8.7		mg/Kg	100	11/11/2010
Zinc	110	44		mg/Kg	100	11/11/2010

Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010

Flash Point (Closed Cup)	SW1010					Prep Date: 11/10/2010 Analyst: RW
Flashpoint	Flash at 205			°F	1	11/10/2010

pH (25 °C)	SW9045C					Prep Date: 11/8/2010 Analyst: RW
pH	6.6			pH Units	1	11/8/2010

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

B - Analyte detected in the associated Method Blank

HT - Sample received past holding time

* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

E - Value above quantitation range

H - Holding time exceeded

STAT Analysis Corporation*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766**Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com**Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202***Report Date:** December 01, 2010**Print Date:** December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-015A

Client Sample ID: NSA-DB6-110310
Tag Number:
Collection Date: 11/3/2010 4:17:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
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Asbestos by Polarized Light Microscopy (PLM)	EPA600/M4-82-020				Prep Date:	Analyst: HR
Asbestos	ND			%		11/10/2010
Binder	75-80			%		11/10/2010
Cellulose	20-25			%		11/10/2010
Color	Brown					11/10/2010

Qualifiers:

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J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

STAT Analysis Corporation

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Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com

Accreditation Numbers: IEPA ELAP 100445; ORELAP IL300001; AIHA 101160; NVLAP LabCode 101202

Report Date: December 01, 2010

Print Date: December 01, 2010

Client: Weston Solutions
Lab Order: 10110182
Project: Nutronics SA, Springfield
Lab ID: 10110182-016A

Client Sample ID: NSA-DB7-110310
Tag Number:
Collection Date: 11/3/2010 4:13:00 PM
Matrix: Solid

Analyses	Result	RL	Qualifier	Units	DF	Date Analyzed
Mercury	SW7471A					Prep Date: 11/10/2010 Analyst: LB
Mercury	ND	0.018		mg/Kg	1	11/11/2010
Metals by ICP/MS	SW6020 (SW3050B)					Prep Date: 11/11/2010 Analyst: JG
Aluminum	2200	260		mg/Kg	100	11/11/2010
Antimony	ND	26		mg/Kg	100	11/11/2010
Arsenic	17	13		mg/Kg	100	11/12/2010
Barium	ND	13		mg/Kg	100	11/11/2010
Beryllium	ND	6.5		mg/Kg	100	11/12/2010
Cadmium	ND	6.5		mg/Kg	100	11/11/2010
Calcium	5500	780		mg/Kg	100	11/11/2010
Chromium	ND	13		mg/Kg	100	11/11/2010
Cobalt	ND	13		mg/Kg	100	11/11/2010
Copper	110000	3200		mg/Kg	10000	11/11/2010
Iron	ND	390		mg/Kg	100	11/11/2010
Lead	ND	6.5		mg/Kg	100	11/11/2010
Magnesium	ND	390		mg/Kg	100	11/11/2010
Manganese	ND	13		mg/Kg	100	11/11/2010
Nickel	27	13		mg/Kg	100	11/11/2010
Potassium	ND	390		mg/Kg	100	11/11/2010
Selenium	ND	13		mg/Kg	100	11/12/2010
Silver	ND	13		mg/Kg	100	11/11/2010
Sodium	ND	780		mg/Kg	100	11/11/2010
Thallium	ND	13		mg/Kg	100	11/11/2010
Vanadium	ND	13		mg/Kg	100	11/11/2010
Zinc	ND	65		mg/Kg	100	11/11/2010
Cyanide, Total	SW9012A					Prep Date: 11/10/2010 Analyst: YZ
Cyanide	ND	0.25		mg/Kg	1	11/11/2010
pH (25 °C)	SW9045C					Prep Date: 11/9/2010 Analyst: RW
pH	6.4			pH Units	1	11/9/2010

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 HT - Sample received past holding time
 * - Non-accredited parameter

RL - Reporting / Quantitation Limit for the analysis
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range
 H - Holding time exceeded

CHAIN OF CUSTODY RECORD

Nº: 834557

Page: 1 of 1

Company: <u>NESTLE</u>		Client Tracking No.:		P.O. No.:		Quote No.:	
Project Name: <u>NESTLE SA</u>							
Project Location: <u>Springfield</u>							
Sampler(s): <u>Mike McNeil</u>							
Report To: <u>Lisa Gaudy</u>		Phone: <u>312-424-3300</u>		Fax: <u>312-424-3301</u>		e-mail: <u>lgaudy@nestle.com</u>	
QC Level: 1 2 X 3 4							
Client Sample Number/Description:	Date Taken	Time Taken	Matrix	Comp	Grab	Preserv	No of Containers
NSA-DBA-110310	11/3/10	1522	LiA		X	None	1
NSA-DBA-110310		1522	LiA				
NSA-DBA-110310		1510	SoI				
NSA-DBA-110310		1510	SoI				
NSA-MC-110310		1516	LiA				
NSA-DBA-110310		1557	SoI				
NSA-DBA-110310		1553	SoI				
NSA-VT-110310		1532	SoA				
NSA-VT-110310		1605	LiA				
NSA-DBA-110310		1540	LiA				
NSA-MC-110310		1550	LiA				
NSA-DBA-110310		1457	SoI				
NSA-DBA-110310		1455	SoI				
NSA-VT-110310		1505	LiA				
NSA-DBA-110310		1617	SoI				
<div style="display: flex; justify-content: space-between;"> <div> Relinquished by: (Signature) <u>[Signature]</u> Received by: (Signature) <u>[Signature]</u> Relinquished by: (Signature) <u>[Signature]</u> Received by: (Signature) <u>[Signature]</u> Relinquished by: (Signature) <u>[Signature]</u> Received by: (Signature) <u>[Signature]</u> </div> <div> Date/Time: <u>11/4/2010 13:10</u> Date/Time: <u>11/4/2010 13:10</u> Date/Time: <u>11/4/2010 13:10</u> Date/Time: <u>11/4/2010 13:10</u> Date/Time: <u>11/4/2010 13:10</u> Date/Time: <u>11/4/2010 13:10</u> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div> Comments: <u>Waste samples</u> </div> <div> Laboratory Work Order No.: <u>10110182</u> </div> </div>							
<div style="display: flex; justify-content: space-between;"> <div> Preservation Code: A = None B = HNO₃ C = NaOH D = H₂SO₄ E = HCl F = 5035/EnCore G = Other </div> <div> Received on Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> </div> </div>							
Temperature: <u>4.7</u> °C							

Sample Receipt Checklist

Client Name **WESTON CHICAGO**

Date and Time Received: **11/4/2010 1:16:00 PM**

Work Order Number **10110182**

Received by: **CDF**

Checklist completed by:

Signature

Date

Reviewed by:

Initials

Date

Matrix:

Carrier name **Client Delivered**

Shipping container/cooler in good condition?

Yes ☒

No ☐

Not Present ☐

Custody seals intact on shipping container/cooler?

Yes ☐

No ☐

Not Present ☒

Custody seals intact on sample bottles?

Yes ☐

No ☐

Not Present ☒

Chain of custody present?

Yes ☒

No ☐

Chain of custody signed when relinquished and received?

Yes ☒

No ☐

Chain of custody agrees with sample labels/containers?

Yes ☐

No ☒

Samples in proper container/bottle?

Yes ☒

No ☐

Sample containers intact?

Yes ☒

No ☐

Sufficient sample volume for indicated test?

Yes ☒

No ☐

All samples received within holding time?

Yes ☒

No ☐

Container or Temp Blank temperature in compliance?

Yes ☒

No ☐

Temperature **4.7 °C**

Water - VOA vials have zero headspace?

No VOA vials submitted

☐

Yes ☐

No ☐

Water - Samples pH checked?

Yes ☐

No ☐

Checked by:

Water - Samples properly preserved?

Yes ☐

No ☐

pH Adjusted?

Any No response must be detailed in the comments section below.

Comments:

Sample NSA-DB7-110310 was received, but was not listed on the C.O.F.C.

Client / Person contacted:

Date contacted:

11/9/10 1440

Contacted by:

ce

Response:

ANALYZE FOR HEAVY METALS.

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield
Test No: SW8260B

Matrix: S

QC SUMMARY REPORT SURROGATE RECOVERIES

Sample ID	BR4FBZ	BZMED8	DBFM	DCA12D4				
VBLK111010A-2	92.0	93.6	92.7	98.8				
VLCS111010A-2	100	94.1	92.1	97.5				
VLCSD111010A-2	94.6	97.5	105	96.9				
10110182-005A:500	95.5	95.1	96.7	101				

Acronym	Surrogate	QC Limits
BR4FBZ	= 4-Bromofluorobenzene	63-110
BZMED8	= Toluene-d8	85-110
DBFM	= Dibromofluoromethane	83-119
DCA12D4	= 1,2-Dichloroethane-d4	84-129

* Surrogate recovery outside acceptance limit

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67455

Sample ID: VBLK111010A-2	SampType: MBLK	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-2_101110A						
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010	SeqNo: 1796471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,1,1-Trichloroethane	ND	0.0050									
1,1,2,2-Tetrachloroethane	ND	0.0050									
1,1,2-Trichloroethane	ND	0.0050									
1,1-Dichloroethane	ND	0.0050									
1,1-Dichloroethene	ND	0.0050									
1,2-Dichloroethane	ND	0.0050									
1,2-Dichloropropane	ND	0.0050									
2-Butanone	ND	0.075									
2-Hexanone	ND	0.020									
4-Methyl-2-pentanone	ND	0.020									
Acetone	0.00994	0.075									J
Benzene	ND	0.0050									
Bromodichloromethane	ND	0.0050									
Bromoform	ND	0.0050									
Bromomethane	ND	0.010									
Carbon disulfide	ND	0.050									
Carbon tetrachloride	ND	0.0050									
Chlorobenzene	ND	0.0050									
Chloroethane	ND	0.010									
Chloroform	ND	0.0050									
Chloromethane	ND	0.010									
cis-1,2-Dichloroethene	ND	0.0050									
cis-1,3-Dichloropropene	ND	0.0020									
Dibromochloromethane	ND	0.0050									
Ethylbenzene	ND	0.0050									
Methyl tert-butyl ether	ND	0.0050									
Methylene chloride	0.0019	0.010									J
Styrene	ND	0.0050									
Tetrachloroethene	ND	0.0050									
Toluene	ND	0.0050									
trans-1,2-Dichloroethene	ND	0.0050									

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67455

Sample ID: VBLK111010A-2	SampType: MBLK	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-2_101110A						
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010	SeqNo: 1796471						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

trans-1,3-Dichloropropene
Trichloroethene
Vinyl chloride
Xylenes, Total

ND
ND
ND
ND

0.0020
0.0050
0.0050
0.015

Sample ID: VLCS111010A-2	SampType: LCS	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-2_101110A						
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010	SeqNo: 1796472						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichloroethane
1,2-Dichloropropane
2-Butanone
2-Hexanone
4-Methyl-2-pentanone
Acetone
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chloroethane
Chloroform
Chloromethane
cis-1,2-Dichloroethene

0.05463
0.04775
0.04762
0.05116
0.05455
0.05155
0.04973
0.08931
0.1004
0.08768
0.1079
0.05442
0.04966
0.05198
0.04072
0.1194
0.05528
0.05613
0.04959
0.04946
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0.05396

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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67455

Sample ID: VLCS111010A-2	SampType: LCS	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-2_101110A						
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010	SeqNo: 1796472						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

cis-1,3-Dichloropropene	0.05083	0.0020	0.05	0	102	70	130	0	0		
Dibromochloromethane	0.05038	0.0050	0.05	0	101	70	130	0	0		
Ethylbenzene	0.0557	0.0050	0.05	0	111	70	130	0	0		
Methyl tert-butyl ether	0.05617	0.0050	0.05	0	112	70	130	0	0		
Methylene chloride	0.04939	0.010	0.05	0.0019	95	70	130	0	0		
Styrene	0.05327	0.0050	0.05	0	107	70	130	0	0		
Tetrachloroethene	0.0603	0.0050	0.05	0	121	70	130	0	0		
Toluene	0.05028	0.0050	0.05	0	101	70	130	0	0		
trans-1,2-Dichloroethene	0.05157	0.0050	0.05	0	103	70	130	0	0		
trans-1,3-Dichloropropene	0.05898	0.0020	0.05	0	118	70	130	0	0		
Trichloroethene	0.05127	0.0050	0.05	0	103	70	130	0	0		
Vinyl chloride	0.05013	0.0050	0.05	0	100	70	130	0	0		
Xylenes, Total	0.1672	0.015	0.15	0	111	70	130	0	0		

Sample ID: VLCS D111010A-2	SampType: LCSD	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:	Run ID: VOA-2_101110A						
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010	SeqNo: 1796473						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

1,1,1-Trichloroethane	0.05448	0.0050	0.05	0	109	70	130	0.05463	0.275	20	
1,1,2,2-Tetrachloroethane	0.04717	0.0050	0.05	0	94.3	70	130	0.04775	1.22	20	
1,1,2-Trichloroethane	0.05024	0.0050	0.05	0	100	70	130	0.04762	5.35	20	
1,1-Dichloroethane	0.05483	0.0050	0.05	0	110	70	130	0.05116	6.93	20	
1,1-Dichloroethane	0.05377	0.0050	0.05	0	108	70	130	0.05455	1.44	20	
1,2-Dichloroethane	0.05379	0.0050	0.05	0	108	70	130	0.05155	4.25	20	
1,2-Dichloropropane	0.05209	0.0050	0.05	0	104	70	130	0.04973	4.64	20	
2-Butanone	0.08335	0.075	0.1	0	83.4	70	130	0.08931	6.90	20	
2-Hexanone	0.08771	0.020	0.1	0	87.7	70	130	0.1004	13.5	20	
4-Methyl-2-pentanone	0.08979	0.020	0.1	0	89.8	70	130	0.08768	2.38	20	
Acetone	0.1105	0.075	0.1	0.00994	101	50	150	0.1079	2.44	20	
Benzene	0.0555	0.0050	0.05	0	111	70	130	0.05442	1.97	20	
Bromodichloromethane	0.05249	0.0050	0.05	0	105	70	130	0.04966	5.54	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67455

Sample ID: VLCS111010A-2	SampType: LCSD	TestCode: VOC_ENC	Units: mg/Kg	Prep Date:				Run ID: VOA-2_101110A			
Client ID: ZZZZ	Batch ID: R67455	TestNo: SW5035/8260		Analysis Date: 11/10/2010				SeqNo: 1796473			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Bromoform	0.04427	0.0050	0.05	0	88.5	70	130	0.05198	16.0	20	
Bromomethane	0.04681	0.010	0.05	0	93.6	70	130	0.04072	13.9	20	
Carbon disulfide	0.128	0.050	0.1	0	128	70	130	0.1194	7.00	20	
Carbon tetrachloride	0.05453	0.0050	0.05	0	109	70	130	0.05528	1.37	20	
Chlorobenzene	0.05851	0.0050	0.05	0	117	70	130	0.05613	4.15	20	
Chloroethane	0.05293	0.010	0.05	0	106	70	130	0.04959	6.52	20	
Chloroform	0.05295	0.0050	0.05	0	106	70	130	0.04946	6.82	20	
Chloromethane	0.06403	0.010	0.05	0	128	70	130	0.05358	17.8	20	
cis-1,2-Dichloroethene	0.05671	0.0050	0.05	0	113	70	130	0.05396	4.97	20	
cis-1,3-Dichloropropene	0.05336	0.0020	0.05	0	107	70	130	0.05083	4.86	20	
Dibromochloromethane	0.05203	0.0050	0.05	0	104	70	130	0.05038	3.22	20	
Ethylbenzene	0.05609	0.0050	0.05	0	112	70	130	0.0557	0.698	20	
Methyl tert-butyl ether	0.05475	0.0050	0.05	0	110	70	130	0.05617	2.56	20	
Methylene chloride	0.05174	0.010	0.05	0.0019	99.7	70	130	0.04939	4.65	20	
Styrene	0.05312	0.0050	0.05	0	106	70	130	0.05327	0.282	20	
Tetrachloroethene	0.05934	0.0050	0.05	0	119	70	130	0.0603	1.60	20	
Toluene	0.05379	0.0050	0.05	0	108	70	130	0.05028	6.75	20	
trans-1,2-Dichloroethene	0.05442	0.0050	0.05	0	109	70	130	0.05157	5.38	20	
trans-1,3-Dichloropropene	0.0589	0.0020	0.05	0	118	70	130	0.05898	0.136	20	
Trichloroethene	0.05241	0.0050	0.05	0	105	70	130	0.05127	2.20	20	
Vinyl chloride	0.05473	0.0050	0.05	0	109	70	130	0.05013	8.77	20	
Xylenes, Total	0.1708	0.015	0.15	0	114	70	130	0.1672	2.15	20	

Qualifiers: ND - Not Detected at the Reporting Limit
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H/HT - Holding Time Exceeded

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E - Value above quantitation range

Prep Start Date: **11/11/2010 8:16:00**

 Prep End Date: **11/11/2010 10:43:0**

Prep Factor Units:

 Prep Batch **52794**

 Prep Code: **M_S_PREP**

 Technician: **JMS**
mL / g

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBS1 11/11/10			1	0	0	50	50.000	11/11/2010	11/11/2010
ILCSS1 11/11/10			1	0	0	50	50.000	11/11/2010	11/11/2010
10110299-001B	Soil		1.057	0	0	50	47.304	11/11/2010	11/11/2010
10110299-001BMS	Soil		1.061	0	0	50	47.125	11/11/2010	11/11/2010
10110299-001BMSD	Soil		1.062	0	0	50	47.081	11/11/2010	11/11/2010
10110182-001A	Liquid		1.184	0	0	50	42.230	11/11/2010	11/11/2010
10110182-002A	Liquid		1.03	0	0	50	48.544	11/11/2010	11/11/2010
10110182-003A	Solid		1.029	0	0	50	48.591	11/11/2010	11/11/2010
10110182-004A	Solid		1.019	0	0	50	49.068	11/11/2010	11/11/2010
10110182-005A	Liquid		1.002	0	0	50	49.900	11/11/2010	11/11/2010
10110182-006A	Solid		1.026	0	0	50	48.733	11/11/2010	11/11/2010
10110182-007A	Solid		1.003	0	0	50	49.850	11/11/2010	11/11/2010
10110182-008A	Solid		1.08	0	0	50	46.296	11/11/2010	11/11/2010
10110182-012A	Solid		1.027	0	0	50	48.685	11/11/2010	11/11/2010
10110182-013A	Solid		1.015	0	0	50	49.261	11/11/2010	11/11/2010
10110182-014A	Liquid		1.149	0	0	50	43.516	11/11/2010	11/11/2010
10110182-016A	Solid		0.771	0	0	50	64.851	11/11/2010	11/11/2010
10110311-001A	Soil		1.042	0	0	50	47.985	11/11/2010	11/11/2010
10110138-001B	Soil		1.036	0	0	50	48.263	11/11/2010	11/11/2010
10110138-002B	Soil		1.027	0	0	50	48.685	11/11/2010	11/11/2010
10110138-003B	Soil		1.419	0	0	50	35.236	11/11/2010	11/11/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52794

Sample ID: IMBS1 11/11/10	SampType: MBLK	TestCode: M_ICPMS_S	Units: mg/Kg	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797132						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	ND	10									
Antimony	ND	1.0									
Arsenic	ND	0.50									
Barium	0.0715	0.50									J
Beryllium	0.1395	0.25									J
Cadmium	ND	0.25									
Calcium	ND	30									
Chromium	ND	0.50									
Cobalt	ND	0.50									
Copper	1.895	2.0									J
Iron	4.896	15									J
Lead	0.083	0.25									J
Magnesium	ND	15									
Manganese	ND	0.50									
Nickel	ND	0.50									
Potassium	ND	15									
Selenium	ND	0.50									
Silver	ND	0.50									
Sodium	9.84	30									J
Thallium	0.05	0.50									J
Vanadium	ND	0.50									
Zinc	ND	2.5									

Sample ID: ILCSS1 11/11/10	SampType: LCS	TestCode: M_ICPMS_S	Units: mg/Kg	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	26.94	10	25	0	108	80	120	0	0		
Antimony	16.68	1.0	12.5	0	133	80	120	0	0		S
Arsenic	23.57	0.50	25	0	94.3	80	120	0	0		
Barium	24.79	0.50	25	0.0715	98.9	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52794

Sample ID: ILCSS1 11/11/10	SampType: LCS	TestCode: M_ICPMS_S	Units: mg/Kg	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797133						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Beryllium	22.54	0.25	25	0.1395	89.6	80	120	0	0		
Cadmium	24.09	0.25	25	0	96.4	80	120	0	0		
Calcium	96.9	30	100	0	96.9	80	120	0	0		
Chromium	24.51	0.50	25	0	98	80	120	0	0		
Cobalt	24.56	0.50	25	0	98.3	80	120	0	0		
Copper	25.88	2.0	25	1.895	96	80	120	0	0		
Iron	101.4	15	100	4.896	96.5	80	120	0	0		
Lead	24.61	0.25	25	0.083	98.1	80	120	0	0		
Magnesium	103.1	15	100	0	103	80	120	0	0		
Manganese	24.7	0.50	25	0	98.8	80	120	0	0		
Nickel	24.91	0.50	25	0	99.6	80	120	0	0		
Potassium	112.5	15	100	0	112	80	120	0	0		
Selenium	23.01	0.50	25	0	92	80	120	0	0		
Silver	9.57	0.50	10	0	95.7	80	120	0	0		
Sodium	127.8	30	100	9.84	118	80	120	0	0		
Thallium	23.4	0.50	25	0.05	93.4	80	120	0	0		
Vanadium	24.32	0.50	25	0	97.3	80	120	0	0		
Zinc	22.49	2.5	25	0	90	80	120	0	0		

Sample ID: 10110299-001BMS	SampType: MS	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797142						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	11010	24	30.13	11100	-299	75	125	0	0		SE
Antimony	3.622	2.4	15.07	0	24	75	125	0	0		S
Arsenic	34.72	1.2	30.13	5.293	97.7	75	125	0	0		
Barium	71.83	1.2	30.13	47.58	80.5	75	125	0	0		
Beryllium	28.93	0.60	30.13	1.027	92.6	75	125	0	0		
Cadmium	30.88	0.60	30.13	0.663	100	75	125	0	0		
Calcium	35290	72	120.5	34040	1040	75	125	0	0		S
Chromium	49.23	1.2	30.13	21.2	93.1	75	125	0	0		

Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52794

Sample ID: 10110299-001BMS	SampType: MS	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797142						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cobalt	38.68	1.2	30.13	11.97	88.7	75	125	0	0		
Copper	55.69	4.8	30.13	29.76	86	75	125	0	0		
Iron	22320	36	120.5	22510	-160	75	125	0	0		S
Lead	47.64	0.60	30.13	16.13	105	75	125	0	0		
Magnesium	19960	36	120.5	19110	705	75	125	0	0		S
Manganese	321.3	1.2	30.13	295.4	85.9	75	125	0	0		
Nickel	63.4	1.2	30.13	36.09	90.6	75	125	0	0		
Potassium	2900	36	120.5	2795	87.8	75	125	0	0		
Selenium	30.35	1.2	30.13	0.9751	97.5	75	125	0	0		
Silver	11.27	1.2	12.05	0	93.5	75	125	0	0		
Sodium	304.3	72	120.5	172.2	110	75	125	0	0		
Thallium	28.15	1.2	30.13	0.519	91.7	75	125	0	0		
Vanadium	48.04	1.2	30.13	21.31	88.7	75	125	0	0		
Zinc	70.99	6.0	30.13	44.9	86.6	75	125	0	0		

Sample ID: 10110299-001BMSD	SampType: MSD	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797143						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	10810	24	30.1	11100	-974	75	125	11010	1.86	20	SE
Antimony	3.263	2.4	15.05	0	21.7	75	125	3.622	10.5	20	S
Arsenic	36.07	1.2	30.1	5.293	102	75	125	34.72	3.80	20	
Barium	77.12	1.2	30.1	47.58	98.2	75	125	71.83	7.10	20	
Beryllium	30.36	0.60	30.1	1.027	97.4	75	125	28.93	4.80	20	
Cadmium	32.11	0.60	30.1	0.663	104	75	125	30.88	3.90	20	
Calcium	35510	72	120.4	34040	1220	75	125	35290	0.620	20	S
Chromium	50.28	1.2	30.1	21.2	96.6	75	125	49.23	2.10	20	
Cobalt	39.59	1.2	30.1	11.97	91.8	75	125	38.68	2.32	20	
Copper	57.13	4.8	30.1	29.76	90.9	75	125	55.69	2.55	20	
Iron	22060	36	120.4	22510	-378	75	125	22320	1.18	20	S
Lead	49.04	0.60	30.1	16.13	109	75	125	47.64	2.90	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52794

Sample ID: 10110299-001BMSD	SampType: MSD	TestCode: M_ICPMS_S	Units: mg/Kg-dry	Prep Date: 11/11/2010	Run ID: ICPMS_101111B						
Client ID: ZZZZ	Batch ID: 52794	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797143						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	20010	36	120.4	19110	750	75	125	19960	0.267	20	S
Manganese	320.8	1.2	30.1	295.4	84.4	75	125	321.3	0.150	20	
Nickel	63.88	1.2	30.1	36.09	92.3	75	125	63.4	0.758	20	
Potassium	2722	36	120.4	2795	-60.4	75	125	2900	6.35	20	S
Selenium	31.34	1.2	30.1	0.9751	101	75	125	30.35	3.19	20	
Silver	11.84	1.2	12.04	0	98.4	75	125	11.27	4.96	20	
Sodium	304.3	72	120.4	172.2	110	75	125	304.3	0.00475	20	
Thallium	29.61	1.2	30.1	0.519	96.6	75	125	28.15	5.06	20	
Vanadium	48.54	1.2	30.1	21.31	90.5	75	125	48.04	1.05	20	
Zinc	75.32	6.0	30.1	44.9	101	75	125	70.99	5.92	20	

Qualifiers: ND - Not Detected at the Reporting Limit
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H/HT - Holding Time Exceeded

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E - Value above quantitation range

Prep Start Date: **11/11/2010 11:53:0**

Prep End Date:

Prep Factor Units:

 Prep Batch **52780**

 Prep Code: **M_W_PREP**

 Technician: **JMS**

mL / mL

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 11/10/10			50	0	0	50	1.000	11/10/2010	11/10/2010
ILCSW2 11/10/10			50	0	0	50	1.000	11/10/2010	11/10/2010
10110261-001A	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
10110261-001AMS	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
10110261-001AMSD	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
10110245-001B	Solids		50	0	0	50	1.000	11/10/2010	11/10/2010
10110248-001B	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
10110282-001A	Solids		50	0	0	50	1.000	11/10/2010	11/10/2010
10110286-001A	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
10110287-001A	Soil		50	0	0	50	1.000	11/10/2010	11/10/2010
IMBTCLP1 11/9/10			50	0	0	50	1.000	11/10/2010	11/10/2010
10110182-009A	Liquid		20	0	0	50	2.500	11/11/2010	11/11/2010
10110167-001C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-002C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-003C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-004C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-005C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-006C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-007C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
10110167-008C	Water		50	0	0	50	1.000	11/11/2010	11/11/2010
IMBTCLP1 11/10/10			50	0	0	50	1.000	11/11/2010	11/11/2010
10110250-001A	Soil		50	0	0	50	1.000	11/11/2010	11/11/2010
10110250-001AMS	Soil		50	0	0	50	1.000	11/11/2010	11/11/2010
10110304-001A	Soil		50	0	0	50	1.000	11/11/2010	11/11/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52780

Sample ID: 10110261-001AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW1311/6020		Analysis Date: 11/10/2010	SeqNo: 1796533						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	0.5442	0.10	0.5	0	109	75	125	0	0		
Arsenic	0.4861	0.010	0.5	0	97.2	75	125	0	0		
Barium	0.857	0.050	0.5	0.3519	101	75	125	0	0		
Beryllium	0.4575	0.0050	0.5	0.00237	91	75	125	0	0		
Cadmium	0.4577	0.0050	0.5	0.00635	90.3	75	125	0	0		
Calcium	290.3	0.50	2	289.9	20	75	125	0	0		S
Chromium	0.4667	0.010	0.5	0.00322	92.7	75	125	0	0		
Cobalt	0.4696	0.010	0.5	0.00988	91.9	75	125	0	0		
Copper	0.468	0.10	0.5	0.02285	89	75	125	0	0		
Iron	4.856	0.25	2	3.049	90.4	75	125	0	0		
Lead	1.194	0.0050	0.5	0.7245	93.9	75	125	0	0		
Magnesium	86.43	0.25	2	85.13	65	75	125	0	0		S
Manganese	1.644	0.010	0.5	1.194	90	75	125	0	0		
Nickel	0.4748	0.020	0.5	0.02041	90.9	75	125	0	0		
Potassium	5.059	0.25	2	3.111	97.4	75	125	0	0		
Selenium	0.4655	0.010	0.5	0	93.1	75	125	0	0		
Silver	0.1694	0.010	0.2	0	84.7	75	125	0	0		
Thallium	0.4705	0.0050	0.5	0.00209	93.7	75	125	0	0		
Vanadium	0.4915	0.010	0.5	0	98.3	75	125	0	0		
Zinc	1.085	0.050	0.5	0.6791	81.2	75	125	0	0		

Sample ID: 10110261-001AMSD	SampType: MSD	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW1311/6020		Analysis Date: 11/10/2010	SeqNo: 1796534						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	0.6229	0.10	0.5	0	125	75	125	0.5442	13.5	20	
Arsenic	0.5618	0.010	0.5	0	112	75	125	0.4861	14.4	20	
Barium	0.9538	0.050	0.5	0.3519	120	75	125	0.857	10.7	20	
Beryllium	0.5231	0.0050	0.5	0.00237	104	75	125	0.4575	13.4	20	
Cadmium	0.5366	0.0050	0.5	0.00635	106	75	125	0.4577	15.9	20	
Calcium	299.7	0.50	2	289.9	490	75	125	290.3	3.19	20	S

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52780

Sample ID: 10110261-001AMSD	SampType: MSD	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW1311/6020		Analysis Date: 11/10/2010	SeqNo: 1796534						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chromium	0.5567	0.010	0.5	0.00322	111	75	125	0.4667	17.6	20	S
Cobalt	0.5469	0.010	0.5	0.00988	107	75	125	0.4696	15.2	20	
Copper	0.5455	0.10	0.5	0.02285	105	75	125	0.468	15.3	20	
Iron	5.334	0.25	2	3.049	114	75	125	4.856	9.38	20	
Lead	1.318	0.0050	0.5	0.7245	119	75	125	1.194	9.87	20	
Magnesium	88.52	0.25	2	85.13	170	75	125	86.43	2.39	20	
Manganese	1.759	0.010	0.5	1.194	113	75	125	1.644	6.76	20	
Nickel	0.546	0.020	0.5	0.02041	105	75	125	0.4748	13.9	20	
Potassium	5.591	0.25	2	3.111	124	75	125	5.059	9.99	20	
Selenium	0.5404	0.010	0.5	0	108	75	125	0.4655	14.9	20	
Silver	0.1981	0.010	0.2	0	99	75	125	0.1694	15.6	20	
Thallium	0.5574	0.0050	0.5	0.00209	111	75	125	0.4705	16.9	20	
Vanadium	0.5743	0.010	0.5	0	115	75	125	0.4915	15.5	20	
Zinc	1.19	0.050	0.5	0.6791	102	75	125	1.085	9.23	20	

Sample ID: IMBW2 11/10/10	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/10/2010	SeqNo: 1796526						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aluminum	ND	0.040									
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Beryllium	0.00088	0.0020									J
Cadmium	ND	0.0020									
Calcium	ND	0.20									
Chromium	ND	0.0040									
Cobalt	ND	0.0040									
Copper	ND	0.010									
Iron	0.04535	0.10									J
Lead	0.00094	0.0020									J
Magnesium	0.01662	0.10									J

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52780

Sample ID: IMBW2 11/10/10	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/10/2010	SeqNo: 1796526						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Manganese	ND	0.0040									
Nickel	ND	0.0040									
Potassium	0.05456	0.10									J
Selenium	ND	0.0040									
Silver	ND	0.0040									
Sodium	0.5062	0.60									J
Thallium	0.00069	0.0020									J
Vanadium	ND	0.0040									
Zinc	ND	0.020									

Sample ID: IMBW2 11/10/10	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101111A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1796744						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Antimony	ND	0.0060									
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Sample ID: ILCSW2 11/10/10	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/10/2010	SeqNo: 1796527						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Aluminum	0.5044	0.040	0.5	0	101	80	120	0	0		
Arsenic	0.4807	0.0040	0.5	0	96.1	80	120	0	0		
Barium	0.4989	0.0040	0.5	0	99.8	80	120	0	0		
Beryllium	0.419	0.0020	0.5	0.00088	83.6	80	120	0	0		
Cadmium	0.4909	0.0020	0.5	0	98.2	80	120	0	0		
Calcium	2.071	0.20	2	0	104	80	120	0	0		
Chromium	0.4918	0.0040	0.5	0	98.4	80	120	0	0		
Cobalt	0.4839	0.0040	0.5	0	96.8	80	120	0	0		
Copper	0.4886	0.010	0.5	0	97.7	80	120	0	0		
Iron	1.997	0.10	2	0.04535	97.6	80	120	0	0		
Lead	0.4811	0.0020	0.5	0.00094	96	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52780

Sample ID: ILCSW2 11/10/10	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101110A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/10/2010	SeqNo: 1796527						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Magnesium	2.085	0.10	2	0.01662	103	80	120	0	0		
Manganese	0.4887	0.0040	0.5	0	97.7	80	120	0	0		
Nickel	0.4891	0.0040	0.5	0	97.8	80	120	0	0		
Potassium	2.098	0.10	2	0.05456	102	80	120	0	0		
Selenium	0.4817	0.0040	0.5	0	96.3	80	120	0	0		
Silver	0.1895	0.0040	0.2	0	94.8	80	120	0	0		
Sodium	2.715	0.60	2	0.5062	110	80	120	0	0		
Thallium	0.4614	0.0020	0.5	0.00069	92.1	80	120	0	0		
Vanadium	0.4835	0.0040	0.5	0	96.7	80	120	0	0		
Zinc	0.4736	0.020	0.5	0	94.7	80	120	0	0		

Sample ID: ILCSW2 11/10/10	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/10/2010	Run ID: ICPMS_101111A						
Client ID: ZZZZ	Batch ID: 52780	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1796745						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Antimony	0.4342	0.0060	0.25	0	174	80	120	0	0		S

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/9/2010 4:08:00 P**

 Prep End Date: **11/9/2010 5:21:00 P**

Prep Factor Units:

mL / mL

 Prep Batch **52756**

 Prep Code: **M_W_PREP**

 Technician: **JMS**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW3 11/9/10			50	0	0	50	1.000	11/9/2010	11/9/2010
ILCSW3 11/9/10			50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-004B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-004BMS	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-004BMDS	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110181-011B	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110181-012B	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-001B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-002B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-003B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110233-001A	Sludge		50	0	0	50	1.000	11/9/2010	11/9/2010
10110233-002A	Sludge		50	0	0	50	1.000	11/9/2010	11/9/2010
IMBTCLP1 11/8/10			50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-003A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-003AMS	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-004A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-006A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-007A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-008A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-012A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-013A	Solid		50	0	0	50	1.000	11/9/2010	11/9/2010
IMBTCLP2 11/8/10			50	0	0	50	1.000	11/9/2010	11/9/2010
10110182-001A	Liquid		20	0	0	50	2.500	11/9/2010	11/9/2010
10110182-002A	Liquid		20	0	0	50	2.500	11/9/2010	11/9/2010
IMBTCLP3 11/9/10			50	0	0	50	1.000	11/9/2010	11/9/2010

Prep Start Date: **11/9/2010 4:08:00 P**

 Prep End Date: **11/9/2010 5:21:00 P**

Prep Factor Units:

 Prep Batch **52756** Prep Code: **M_W_PREP** Technician: **JMS**
mL / mL

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
10110223-007B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-007BMS	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110223-010B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
10110244-005B	Soil		50	0	0	50	1.000	11/9/2010	11/9/2010
IMBSPLP 11/8/10			50	0	0	50	1.000	11/9/2010	11/9/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52756

Sample ID: IMBTCLP3 11/9/10	SampType: MBLK	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS-2_101111A						
Client ID: ZZZZ	Batch ID: 52756	TestNo: SW1311/6020		Analysis Date: 11/11/2010	SeqNo: 1797175						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.010									
Barium	ND	0.050									
Cadmium	ND	0.0050									
Chromium	ND	0.010									
Lead	0.06768	0.10									J
Selenium	ND	0.010									
Silver	ND	0.010									

Sample ID: 10110223-004BMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS-2_101111A						
Client ID: ZZZZ	Batch ID: 52756	TestNo: SW1311/6020		Analysis Date: 11/11/2010	SeqNo: 1797180						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.5212	0.010	0.5	0.00453	103	75	125	0	0		
Barium	0.5677	0.050	0.5	0.05135	103	75	125	0	0		
Cadmium	0.4411	0.0050	0.5	0	88.2	75	125	0	0		
Chromium	0.4585	0.010	0.5	0.00524	90.7	75	125	0	0		
Lead	0.7598	0.0050	0.5	0.2486	102	75	125	0	0		
Selenium	0.4599	0.010	0.5	0	92	75	125	0	0		
Silver	0.1657	0.010	0.2	0	82.8	75	125	0	0		

Sample ID: 10110182-003AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS_101112B						
Client ID: NSA-DB3-110310	Batch ID: 52756	TestNo: SW1311/6020		Analysis Date: 11/12/2010	SeqNo: 1798774						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	0.5253	0.010	0.5	0	105	75	125	0	0		
Barium	0.7778	0.050	0.5	0.2567	104	75	125	0	0		
Cadmium	0.4936	0.0050	0.5	0	98.7	75	125	0	0		
Chromium	0.4988	0.010	0.5	0.00514	98.7	75	125	0	0		
Lead	0.5114	0.0050	0.5	0.00227	102	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52756

Sample ID: 10110182-003AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS_101112B						
Client ID: NSA-DB3-110310	Batch ID: 52756	TestNo: SW1311/6020		Analysis Date: 11/12/2010	SeqNo: 1798774						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Selenium	0.4808	0.010	0.5	0	96.2	75	125	0	0		
Silver	0.1923	0.010	0.2	0.00267	94.8	75	125	0	0		

Sample ID: 10110223-004BMSD	SampType: MSD	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS-2_101111A						
Client ID: ZZZZ	Batch ID: 52756	TestNo: SW1311/6020		Analysis Date: 11/11/2010	SeqNo: 1797183						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.5256	0.010	0.5	0.00453	104	75	125	0.5212	0.841	20	
Barium	0.5724	0.050	0.5	0.05135	104	75	125	0.5677	0.824	20	
Cadmium	0.4422	0.0050	0.5	0	88.4	75	125	0.4411	0.249	20	
Chromium	0.4663	0.010	0.5	0.00524	92.2	75	125	0.4585	1.69	20	
Lead	0.7715	0.0050	0.5	0.2486	105	75	125	0.7598	1.53	20	
Selenium	0.4861	0.010	0.5	0	97.2	75	125	0.4599	5.54	20	
Silver	0.1655	0.010	0.2	0	82.8	75	125	0.1657	0.121	20	

Sample ID: IMBW3 11/9/10	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS-2_101111A						
Client ID: ZZZZ	Batch ID: 52756	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797166						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	0.0040									
Barium	ND	0.0040									
Cadmium	ND	0.0020									
Chromium	ND	0.0040									
Lead	0.00154	0.0020									J
Selenium	ND	0.0040									
Silver	0.00042	0.0040									J

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52756

Sample ID: ILCSW3 11/9/10	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/9/2010	Run ID: ICPMS-2_101111A						
Client ID: ZZZZ	Batch ID: 52756	TestNo: SW6020		Analysis Date: 11/11/2010	SeqNo: 1797167						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4677	0.0040	0.5	0	93.5	80	120	0	0		
Barium	0.483	0.0040	0.5	0	96.6	80	120	0	0		
Cadmium	0.4587	0.0020	0.5	0	91.7	80	120	0	0		
Chromium	0.4473	0.0040	0.5	0	89.5	80	120	0	0		
Lead	0.4737	0.0020	0.5	0.00154	94.4	80	120	0	0		
Selenium	0.4548	0.0040	0.5	0	91	80	120	0	0		
Silver	0.1749	0.0040	0.2	0.00042	87.2	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/15/2010 10:42:0**

 Prep End Date: **11/15/2010 11:39:0**

 Prep Batch **52865** Prep Code: **M_W_PREP** Technician: **JMS**

 Prep Factor Units:
 mL / mL

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
IMBW2 11/15/10			50	0	0	50	1.000	11/15/2010	11/15/2010
ILCSW2 11/15/10			50	0	0	50	1.000	11/15/2010	11/15/2010
10110182-008A	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-008AMS	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-008AMSD	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-007A	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-012A	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-013A	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
IMBTCLP1 11/8/10			50	0	0	50	1.000	11/15/2010	11/15/2010
10110182-006A	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
10110182-006AMS	Solid		20	0	0	50	2.500	11/15/2010	11/15/2010
IMBTCLP2 11/8/10			50	0	0	50	1.000	11/15/2010	11/15/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52865

Sample ID: IMBTCLP1 11/8/10	SampType: MBLK	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101115A						
Client ID: ZZZZ	Batch ID: 52865	TestNo: SW1311/6020		Analysis Date: 11/15/2010	SeqNo: 1799571						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.010									
Barium	0.01121	0.050									J
Cadmium	ND	0.0050									
Chromium	0.01034	0.020									J
Lead	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.010									

Sample ID: IMBTCLP2 11/8/10	SampType: MBLK	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101115A						
Client ID: ZZZZ	Batch ID: 52865	TestNo: SW1311/6020		Analysis Date: 11/15/2010	SeqNo: 1799869						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.010									
Barium	0.00984	0.050									J
Cadmium	0.00296	0.0050									J
Chromium	0.00526	0.010									J
Lead	ND	0.0050									
Selenium	ND	0.010									
Silver	ND	0.010									

Sample ID: 10110182-008AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101116A						
Client ID: NSA-VT1-110310	Batch ID: 52865	TestNo: SW1311/6020		Analysis Date: 11/16/2010	SeqNo: 1800176						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	1.409	0.025	1.25	0	113	75	125	0	0		
Barium	1.434	0.12	1.25	0.02588	113	75	125	0	0		
Cadmium	1.206	0.012	1.25	0.0074	95.9	75	125	0	0		
Chromium	1.386	0.025	1.25	0.08868	104	75	125	0	0		
Lead	2.387	0.012	1.25	0.8728	121	75	125	0	0		
Selenium	1.481	0.025	1.25	0	118	75	125	0	0		
Silver	0.4512	0.025	0.5	0.004425	89.4	75	125	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52865

Sample ID: 10110182-006AMS	SampType: MS	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101116A						
Client ID: NSA-DB2-110310	Batch ID: 52865	TestNo: SW1311/6020		Analysis Date: 11/16/2010	SeqNo: 1800405						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	1.355	0.025	1.25	0	108	75	125	0	0		
Barium	1.462	0.12	1.25	0.1198	107	75	125	0	0		
Cadmium	1.198	0.012	1.25	0.01895	94.3	75	125	0	0		
Chromium	1.209	0.025	1.25	0.01168	95.8	75	125	0	0		
Lead	1.646	0.012	1.25	0.2522	111	75	125	0	0		
Selenium	1.308	0.025	1.25	0	105	75	125	0	0		
Silver	0.4485	0.025	0.5	0.0053	88.6	75	125	0	0		

Sample ID: 10110182-008AMSD	SampType: MSD	TestCode: M_ICPMS_T+	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101116A						
Client ID: NSA-VT1-110310	Batch ID: 52865	TestNo: SW1311/6020		Analysis Date: 11/16/2010	SeqNo: 1800177						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	1.311	0.025	1.25	0	105	75	125	1.409	7.19	20	
Barium	1.304	0.12	1.25	0.02588	102	75	125	1.434	9.52	20	
Cadmium	1.111	0.012	1.25	0.0074	88.3	75	125	1.206	8.24	20	
Chromium	1.288	0.025	1.25	0.08868	95.9	75	125	1.386	7.37	20	
Lead	2.153	0.012	1.25	0.8728	102	75	125	2.387	10.3	20	
Selenium	1.352	0.025	1.25	0	108	75	125	1.481	9.13	20	
Silver	0.4148	0.025	0.5	0.004425	82.1	75	125	0.4512	8.43	20	

Sample ID: IMBW2 11/15/10	SampType: MBLK	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101115A						
Client ID: ZZZZ	Batch ID: 52865	TestNo: SW6020		Analysis Date: 11/15/2010	SeqNo: 1799867						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Arsenic	ND	0.0040									
Barium	0.00141	0.0040									J
Cadmium	0.00074	0.0020									J
Chromium	0.00153	0.0040									J
Lead	0.00131	0.0020									J
Selenium	ND	0.0040									
Silver	ND	0.0040									

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits E - Value above quantitation range
* - Non Accredited Parameter H/HT - Holding Time Exceeded

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52865

Sample ID: ILCSW2 11/15/10	SampType: LCS	TestCode: M_ICPMS_W	Units: mg/L	Prep Date: 11/15/2010	Run ID: ICPMS-2_101115A						
Client ID: ZZZZZ	Batch ID: 52865	TestNo: SW6020		Analysis Date: 11/15/2010	SeqNo: 1799868						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.4675	0.0040	0.5	0	93.5	80	120	0	0		
Barium	0.4814	0.0040	0.5	0.00141	96	80	120	0	0		
Cadmium	0.4598	0.0020	0.5	0.00074	91.8	80	120	0	0		
Chromium	0.474	0.0040	0.5	0.00153	94.5	80	120	0	0		
Lead	0.4824	0.0020	0.5	0.00131	96.2	80	120	0	0		
Selenium	0.4376	0.0040	0.5	0	87.5	80	120	0	0		
Silver	0.1777	0.0040	0.2	0	88.8	80	120	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/10/2010 1:00:00**

 Prep End Date: **11/11/2010 1:45:00**

Prep Factor Units:

 Prep Batch **52786** Prep Code: **M_HG_S_PRE** Technician: **LB**
mL / g

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBS2 11/10/10			0.3	0	0	30	100.000	11/10/2010	11/10/2010
HGLCSS2 11/10/10			0.307	0	0	30	97.720	11/10/2010	11/10/2010
10110181-005B	Solid		0.333	0	0	30	90.090	11/10/2010	11/10/2010
10110181-011B	Solid		0.346	0	0	30	86.705	11/10/2010	11/10/2010
10110181-012B	Solid		0.307	0	0	30	97.720	11/10/2010	11/10/2010
10110181-012BMS	Solid		0.308	0	0	30	97.403	11/10/2010	11/10/2010
10110181-012BMSD	Solid		0.313	0	0	30	95.847	11/10/2010	11/10/2010
10110182-001A	Liquid		0.345	0	0	30	86.957	11/11/2010	11/11/2010
10110182-002A	Liquid		0.399	0	0	30	75.188	11/11/2010	11/11/2010
10110182-003A	Solid		0.312	0	0	30	96.154	11/11/2010	11/11/2010
10110182-004A	Solid		0.314	0	0	30	95.541	11/11/2010	11/11/2010
10110182-005A	Liquid		0.306	0	0	30	98.039	11/11/2010	11/11/2010
10110182-006A	Solid		0.301	0	0	30	99.668	11/11/2010	11/11/2010
10110182-007A	Solid		0.355	0	0	30	84.507	11/11/2010	11/11/2010
10110182-008A	Solid		0.306	0	0	30	98.039	11/11/2010	11/11/2010
10110182-012A	Solid		0.301	0	0	30	99.668	11/11/2010	11/11/2010
10110182-013A	Solid		0.309	0	0	30	97.087	11/11/2010	11/11/2010
10110182-014A	Liquid		0.341	0	0	30	87.977	11/11/2010	11/11/2010
10110182-016A	Solid		0.331	0	0	30	90.634	11/11/2010	11/11/2010
10110175-001A	Soil		0.302	0	0	30	99.338	11/11/2010	11/11/2010
10110175-002A	Soil		0.303	0	0	30	99.010	11/11/2010	11/11/2010
10110175-003A	Soil		0.302	0	0	30	99.338	11/11/2010	11/11/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52786

Sample ID: HGMBS2 11/10/10	SampType: MBLK	TestCode: M_HG_SOLID	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: CETAC_101110C						
Client ID: ZZZZ	Batch ID: 52786	TestNo: SW7471A		Analysis Date: 11/10/2010	SeqNo: 1796348						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury ND 0.020

Sample ID: HGLCSS2 11/10/10	SampType: LCS	TestCode: M_HG_SOLID	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: CETAC_101110C						
Client ID: ZZZZ	Batch ID: 52786	TestNo: SW7471A		Analysis Date: 11/10/2010	SeqNo: 1796349						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.2384 0.020 0.2443 0 97.6 80 120 0 0

Sample ID: 10110181-012BMS	SampType: MS	TestCode: M_HG_SOLID	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: CETAC_101110C						
Client ID: ZZZZ	Batch ID: 52786	TestNo: SW7471A		Analysis Date: 11/10/2010	SeqNo: 1796355						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.2951 0.019 0.2435 0.01368 116 75 125 0 0

Sample ID: 10110181-012BMSD	SampType: MSD	TestCode: M_HG_SOLID	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: CETAC_101110C						
Client ID: ZZZZ	Batch ID: 52786	TestNo: SW7471A		Analysis Date: 11/10/2010	SeqNo: 1796356						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury 0.2492 0.019 0.2396 0.01368 98.3 75 125 0.2951 16.9 20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/11/2010 3:03:00**

 Prep End Date: **11/11/2010 5:03:00**

Prep Factor Units:

mL / mL

 Prep Batch **52808** Prep Code: **M_HG_W_PRE** Technician: **LB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 11/11/10			30	0	0	30	1.000	11/11/2010	11/11/2010
HGLCSW1 11/11/10			30	0	0	30	1.000	11/11/2010	11/11/2010
10110182-009A	Liquid		10	0	0	30	3.000	11/11/2010	11/11/2010
HGMBTCLP1 11/10/10			30	0	0	30	1.000	11/11/2010	11/11/2010
10110304-001A	Soil		30	0	0	30	1.000	11/11/2010	11/11/2010
10110306-001A	Soil		30	0	0	30	1.000	11/11/2010	11/11/2010
10110306-001AMS	Soil		30	0	0	30	1.000	11/11/2010	11/11/2010
10110306-001AMSD	Soil		30	0	0	30	1.000	11/11/2010	11/11/2010
10110331-002C	Aqueous		10	0	0	30	3.000	11/11/2010	11/11/2010
10110331-002CMS	Aqueous		10	0	0	30	3.000	11/11/2010	11/11/2010
10110307-001A	Solids		30	0	0	30	1.000	11/11/2010	11/11/2010
10110331-002CD	Aqueous		10	0	0	30	3.000	11/11/2010	11/11/2010
HGMBTCLP1 11/11/10			30	0	0	30	1.000	11/12/2010	11/12/2010
10110334-005A	Soil		30	0	0	30	1.000	11/12/2010	11/12/2010
10110328-001A	Soil		30	0	0	30	1.000	11/12/2010	11/12/2010
10110329-001A	Soil		30	0	0	30	1.000	11/12/2010	11/12/2010
10110329-001AMS	Soil		30	0	0	30	1.000	11/12/2010	11/12/2010
10110331-003C	Aqueous		5	0	0	30	6.000	11/11/2010	11/11/2010
10110331-002CDMS	Aqueous		10	0	0	30	3.000	11/11/2010	11/11/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52808

Sample ID: 10110306-001AMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101111C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW1311/7470		Analysis Date: 11/11/2010	SeqNo: 1797639						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0027	0.00020	0.0025	0.00003	107	75	125	0	0		
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Sample ID: 10110329-001AMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/12/2010	Run ID: CETAC_101112C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW1311/7470		Analysis Date: 11/12/2010	SeqNo: 1798544						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00263	0.00020	0.0025	0.00002	104	75	125	0	0		
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Sample ID: 10110306-001AMSD	SampType: MSD	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101111C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW1311/7470		Analysis Date: 11/11/2010	SeqNo: 1797640						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00275	0.00020	0.0025	0.00003	109	75	125	0.0027	1.83	20	
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Sample ID: HGMBW1 11/11/10	SampType: MBLK	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101111C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW7470A		Analysis Date: 11/11/2010	SeqNo: 1797589						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00005	0.00020									J
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Sample ID: HGLCSW1 11/11/10	SampType: LCS	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101111C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW7470A		Analysis Date: 11/11/2010	SeqNo: 1797590						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00264	0.00020	0.0025	0.00041	89.2	85	115	0	0		
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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52808

Sample ID: 10110331-002CMS	SampType: MS	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101111C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW7470A		Analysis Date: 11/11/2010	SeqNo: 1797656						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.02115	0.0030	0.0075	0.0129	110	75	125	0	0		
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Sample ID: 10110331-002CMS	SampType: MS	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/11/2010	Run ID: CETAC_101112C						
Client ID: ZZZZ	Batch ID: 52808	TestNo: SW7470A		Analysis Date: 11/12/2010	SeqNo: 1798551						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.2415	0.030	0.0075	0.2325	120	75	125	0	0		
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Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/10/2010 11:40:0**

 Prep End Date: **11/10/2010 1:40:00**

Prep Factor Units:

mL / mL

 Prep Batch **52782** Prep Code: **M_HG_W_PRE** Technician: **LB**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
HGMBW1 11/10/10			30	0	0	30	1.000	11/10/2010	11/10/2010
HGLCSW1 11/10/10			30	0	0	30	1.000	11/10/2010	11/10/2010
HGMBTCLPII 11/8/10			30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-003AMS	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-003A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-004A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-006A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
HGMBTCLPIII 11/9/10			30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-001A	Liquid		3	0	0	30	10.000	11/10/2010	11/10/2010
10110182-002A	Liquid		3	0	0	30	10.000	11/10/2010	11/10/2010
10110182-001AMS	Liquid		3	0	0	30	10.000	11/10/2010	11/10/2010
10110182-007A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-008A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-012A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-013A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-013AMS	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110182-013AMSD	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
HGMBTCLP1 11/9/10			30	0	0	30	1.000	11/10/2010	11/10/2010
10110245-001B	Solids		10	0	0	30	3.000	11/10/2010	11/10/2010
10110248-001B	Soil		30	0	0	30	1.000	11/10/2010	11/10/2010
10110261-001A	Soil		30	0	0	30	1.000	11/10/2010	11/10/2010
10110278-001A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110278-002A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110278-003A	Solid		30	0	0	30	1.000	11/10/2010	11/10/2010
10110248-001BMS	Soil		30	0	0	30	1.000	11/10/2010	11/10/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52782

Sample ID: HGMBTCLPII 11/8/10	SampType: MBLK	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796396
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury ND 0.00020

Sample ID: HGMBTCLPIII 11/9/1	SampType: MBLK	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796401
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00003 0.00020 J

Sample ID: HGMBTCLP1 11/9/10	SampType: MBLK	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101112C
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/12/2010	SeqNo: 1798530
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00002 0.00020 J

Sample ID: 10110182-003AMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D
Client ID: NSA-DB3-110310	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796398
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.0027 0.00020 0.0025 0.00024 98.4 75 125 0 0

Sample ID: 10110182-013AMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D
Client ID: NSA-DB5-110310	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796411
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Mercury 0.00283 0.00020 0.0025 0.00007 110 75 125 0 0

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52782

Sample ID: 10110182-001AMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D						
Client ID: NSA-DM1-110310	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796417						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.0269	0.0020	0.025	0	108	75	125	0	0		
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Sample ID: 10110248-001BMS	SampType: MS	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101112C						
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/12/2010	SeqNo: 1798533						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00242	0.00020	0.0025	0	96.8	75	125	0	0		
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Sample ID: 10110182-013AMSD	SampType: MSD	TestCode: M_1311_HG	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D						
Client ID: NSA-DB5-110310	Batch ID: 52782	TestNo: SW1311/7470		Analysis Date: 11/10/2010	SeqNo: 1796412						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00281	0.00020	0.0025	0.00007	110	75	125	0.00283	0.709	20	
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Sample ID: HGMBW1 11/10/10	SampType: MBLK	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D						
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW7470A		Analysis Date: 11/10/2010	SeqNo: 1796392						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	ND	0.00020									
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Sample ID: HGLCSW1 11/10/10	SampType: LCS	TestCode: M_HG_WATE	Units: mg/L	Prep Date: 11/10/2010	Run ID: CETAC_101110D						
Client ID: ZZZZ	Batch ID: 52782	TestNo: SW7470A		Analysis Date: 11/10/2010	SeqNo: 1796393						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Mercury	0.00273	0.00020	0.0025	0	109	85	115	0	0		
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Qualifiers:	ND - Not Detected at the Reporting Limit	S - Spike Recovery outside accepted recovery limits	B - Analyte detected in the associated Method Blank
	J - Analyte detected below quantitation limits	R - RPD outside accepted recovery limits	E - Value above quantitation range
	* - Non Accredited Parameter	H/HT - Holding Time Exceeded	

Prep Start Date: **11/10/2010 10:00:0**

 Prep End Date: **11/10/2010 11:45:0**

Prep Factor Units:

 Prep Batch **52805** Prep Code: **TCNPREP_S** Technician: **YZ**
mL / g

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBS1 111010			1	0	0	50	50.000	11/10/2010	11/10/2010
TCNLCSS1 111010			1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-001A	Liquid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-002A	Liquid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-003A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-004A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-005A	Liquid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-006A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-007A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-008A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-012A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-013A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-014A	Liquid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-016A	Solid		1	0	0	50	50.000	11/10/2010	11/10/2010
10110223-011B	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010
10110223-012B	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010
10110244-005B	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010
10110244-005BMS	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010
10110244-005BMSD	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010
10110182-009A	Soil		1	0	0	50	50.000	11/10/2010	11/10/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52805

Sample ID: TCNMBS1 111010	SampType: MBLK	TestCode: CN_TS	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: LACHAT_101111A						
Client ID: ZZZZ	Batch ID: 52805	TestNo: SW9012A		Analysis Date: 11/11/2010	SeqNo: 1797341						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide ND 0.25

Sample ID: TCNLCSS1 111010	SampType: LCS	TestCode: CN_TS	Units: mg/Kg	Prep Date: 11/10/2010	Run ID: LACHAT_101111A						
Client ID: ZZZZ	Batch ID: 52805	TestNo: SW9012A		Analysis Date: 11/11/2010	SeqNo: 1797342						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 9.005 0.25 10 0 90 90 110 0 0

Sample ID: 10110244-005BMS	SampType: MS	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 11/10/2010	Run ID: LACHAT_101111A						
Client ID: ZZZZ	Batch ID: 52805	TestNo: SW9012A		Analysis Date: 11/11/2010	SeqNo: 1797344						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 9.955 0.30 12.08 0 82.4 75 125 0 0

Sample ID: 10110244-005BMSD	SampType: MSD	TestCode: CN_TS	Units: mg/Kg-dry	Prep Date: 11/10/2010	Run ID: LACHAT_101111A						
Client ID: ZZZZ	Batch ID: 52805	TestNo: SW9012A		Analysis Date: 11/11/2010	SeqNo: 1797345						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 9.265 0.30 12.08 0 76.7 75 125 9.955 7.18 20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

Prep Start Date: **11/15/2010 1:00:00**

 Prep End Date: **11/16/2010 12:45:0**

Prep Factor Units:

mL / mL

 Prep Batch **52879** Prep Code: **TCNPREP_W** Technician: **YZ**

Sample ID	Matrix	pH	SampAmt	Sol Added	Sol Recov	Fin Vol	factor	PrepStart	PrepEnd
TCNMBW1 111510			50	0	0	50	1.000	11/15/2010	11/15/2010
TCNLCSW1 111510			50	0	0	50	1.000	11/15/2010	11/15/2010
10110182-009A	Liquid		10	0	0	50	5.000	11/15/2010	11/15/2010
10110272-001C	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110322-001C	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110322-002C	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110322-003C	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110322-004C	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110272-001CMS	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110272-001CMSD	Aqueous		50	0	0	50	1.000	11/15/2010	11/15/2010
10110298-001D	Water		50	0	0	50	1.000	11/16/2010	11/16/2010
10110322-005C	Aqueous		50	0	0	50	1.000	11/16/2010	11/16/2010
10110327-020D	Aqueous		50	0	0	50	1.000	11/16/2010	11/16/2010

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: 52879

Sample ID: TCNMBW1 111510	SampType: MBLK	TestCode: CN_TW	Units: mg/L	Prep Date: 11/15/2010	Run ID: LACHAT_101115B						
Client ID: ZZZZ	Batch ID: 52879	TestNo: SW9012A		Analysis Date: 11/15/2010	SeqNo: 1799513						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide ND 0.0050

Sample ID: TCNLCSW1 111510	SampType: LCS	TestCode: CN_TW	Units: mg/L	Prep Date: 11/15/2010	Run ID: LACHAT_101115B						
Client ID: ZZZZ	Batch ID: 52879	TestNo: SW9012A		Analysis Date: 11/15/2010	SeqNo: 1799514						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.2054 0.0050 0.2 0 103 90 110 0 0

Sample ID: 10110272-001CMS	SampType: MS	TestCode: CN_TW	Units: mg/L	Prep Date: 11/15/2010	Run ID: LACHAT_101115B						
Client ID: ZZZZ	Batch ID: 52879	TestNo: SW9012A		Analysis Date: 11/15/2010	SeqNo: 1799516						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.2205 0.0050 0.2 0.02484 97.8 75 125 0 0

Sample ID: 10110272-001CMSD	SampType: MSD	TestCode: CN_TW	Units: mg/L	Prep Date: 11/15/2010	Run ID: LACHAT_101115B						
Client ID: ZZZZ	Batch ID: 52879	TestNo: SW9012A		Analysis Date: 11/15/2010	SeqNo: 1799517						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Cyanide 0.2081 0.0050 0.2 0.02484 91.6 75 125 0.2205 5.79 20

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
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S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67435

Sample ID: 10110182-014A DUP	SampType: DUP	TestCode: FLASHPOINT	Units: °F	Prep Date: 11/10/2010	Run ID: FLASH_101110A						
Client ID: NSA-VT3-110310	Batch ID: R67435	TestNo: SW1010		Analysis Date: 11/10/2010	SeqNo: 1796428						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Flashpoint	ND	0	0	0	0	0	0	0	0	0	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67376

Sample ID: 10110182-011A DUP	SampType: DUP	TestCode: PH_S	Units: pH Units	Prep Date: 11/8/2010	Run ID: PH_101108B						
Client ID: NSA-MC2-110310	Batch ID: R67376	TestNo: SW9045C		Analysis Date: 11/8/2010	SeqNo: 1794188						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	0.21	0	0	0	0	0	0	0.22	4.65	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67377

Sample ID: 10110259-001B DUP	SampType: DUP	TestCode: PH_S	Units: pH Units	Prep Date: 11/8/2010	Run ID: PH_101108C						
Client ID: ZZZZ	Batch ID: R67377	TestNo: SW9045C		Analysis Date: 11/8/2010	SeqNo: 1794207						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.08	0	0	0	0	0	0	8.11	0.371	20	

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range

CLIENT: Weston Solutions
Work Order: 10110182
Project: Nutronics SA, Springfield

ANALYTICAL QC SUMMARY REPORT

BatchID: R67517

Sample ID: 10110395-001A DUP	SampType: DUP	TestCode: PH_W	Units: pH units	Prep Date: 11/12/2010	Run ID: PH_101112B						
Client ID: ZZZZ	Batch ID: R67517	TestNo: E150.1		Analysis Date: 11/12/2010	SeqNo: 1798435						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.22	0	0	0	0	0	0	8.2	0.244	10	*

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
* - Non Accredited Parameter

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
H/HT - Holding Time Exceeded

B - Analyte detected in the associated Method Blank
E - Value above quantitation range